




LONG SAULT RAPIDS — LOOKING DOWN STREAM

From a vantage point on the Canadian shore of the St. Lawrence River this historic stretch of turbulent water was familiar alike to the 17th-century coureur-de-bois and the 20th-century motorist. In early 1957 the river was diverted south at this point through an alternative channel constructed to permit completion of the Long Sault dam. In mid-1958 the giant boulders in these rapids will lie deep below the level of the headpond of the new St. Lawrence power development.



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Ontario. Hydro-Electric Power Commission



The Hydro-Electric Power Commission of Ontario

Forty-Ninth - 50

Annual Report

for the Year

1956 $\triangle 1957$

This Report is published pursuant to The Power Commission Act,
Revised Statutes of Ontario, 1950, Chapter 281, Section 9.

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THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

December 1956

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Chairman

W. ROSS STRIKE, Q.C.
1st Vice-Chairman

HON. T. RAY CONNELL, M.L.A.
2nd Vice-Chairman

LT.-COL. A. A. KENNEDY, D.S.O., E.D.
Commissioner

D. P. CLIFF
Commissioner

A. W. MANBY, B.Sc.
General Manager

OTTO HOLDEN, B.A.Sc., C.E., D.ENG.
Chief Engineer

ERNEST B. EASSON, B.COM.
Secretary

LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 11, 1957

THE HONOURABLE LOUIS O. BREITHAUP, LL.D.

Lieutenant-Governor of Ontario

SIR:

I have the honour to present the Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1956.

To be entrusted with the Chairmanship of the Commission is an honour indeed, particularly at a time when the Commission is entering upon its second fifty years of service. The tradition of initiative and loyalty that has been characteristic of Hydro personnel in the past cannot fail to inspire those who must meet the challenge of today and of the years to come.

There have been several changes in the membership of the Commission to record since the submission of our last Annual Report. Dr. R. L. Hearn retired from the Chairmanship on November 1. His tenure of office was marked by the same foresight and leadership that characterized his years of service with the Commission as General Manager and Chief Engineer. It is gratifying to note that in his retirement from the Chairmanship Dr. Hearn will continue his association with the Commission in a consulting capacity. Mr. W. Ross Strike's long and meritorious service with the Commission was recognized in his appointment as first Vice-Chairman, succeeding the Honourable W. K. Warrender who resigned in 1956 in order to assume the responsibilities of the Minister of Municipal Affairs. The Honourable T. Ray Connell joined the Commission as second Vice-Chairman, succeeding Mr. Warrender as the Government's representative. Mr. D. P. Cliff, a former President and now Secretary-Treasurer of the Ontario Municipal Electric Association, has also been appointed to the Commission, and with Lt.-Col. A. A. Kennedy will further strengthen the Commission's liaison with the municipal utility commissions.

The record of the Commission's activities in 1956 is comprehensively presented in the Report. I need make only passing reference to the further expansion of our facilities for the generation, transmission, and distribution of power to meet increased demands of a growing number of customers.

Good progress is being maintained at a number of construction sites, the most notable being the St. Lawrence Power Project and Sir Adam Beck-Niagara Generating Station No. 2. Work was begun for the extension of Richard L. Hearn Generating Station where the addition of four units will raise the station capacity to 1,200,000 kilowatts, or three times what it is at present. Plans are also being developed for additional thermal-electric stations wherever load conditions and other related economic factors may dictate. Of several hydro-electric sites available in northwestern Ontario, we are planning first to develop Silver Falls on the Kaministiquia River. The interconnection established in October between the facilities of the Northwestern Division and those of the Manitoba Hydro-Electric Board made available to these systems the mutual advantages of system interconnections which have already proved so valuable in the southern part of the Province.

The program of frequency standardization in the Southern Ontario System has now passed the three-quarter mark and we are looking towards its completion in mid-1959. In the meantime, we are planning to proceed concurrently with the standardization at 60 cycles of the equipment of municipal and rural customers in the Northeastern Region.

I wish to express the appreciation and thanks of the Commission for the faithful and efficient work of the staff. The co-operation that prevails at all levels of administration in this large and complex organization is a tribute to its executive leadership, to the staff in general, and to the representatives who act on behalf of the trade unions and professional groups within the Commission.

Respectfully submitted,

JAMES S. DUNCAN,
Chairman.

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FORTY-NINTH ANNUAL REPORT
OF
**The Hydro-Electric Power Commission
of Ontario**

FOREWORD

THE Hydro-Electric Power Commission of Ontario was established in 1906. An Act of the Provincial Legislature to "Provide for the Transmission of Power to Municipalities" was given Royal assent on May 14 in that year. Under this Act the Commission was granted authority to carry out recommendations of earlier advisory commissions that the water powers of the Province should be conserved and developed for the benefit of the people of Ontario. The fiftieth anniversary of the enactment of this legislation was appropriately observed in Kitchener on May 14, 1956 at a gathering sponsored by the Commission, the Ontario Municipal Electric Association, and the Association of Municipal Electrical Utilities of Ontario. Elsewhere in the Province other ceremonies on later occasions marked the completion of the Commission's first fifty years of service.

The Commission now operates under the authority of The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and thereafter modified from time to time. (Revised Statutes of Ontario, 1950, c. 281, as amended.) As a corporate entity and self-sustaining public concern the Commission has broad powers with respect to the provision of electricity and its delivery throughout the Province, and exercises certain regulatory functions with respect to the large group of municipal electrical utilities which it serves. The enterprise directly administered by the Commission is generally referred to as Ontario Hydro.

The Commission may have from three to six members, all of whom are appointed by the Lieutenant-Governor in Council. One commissioner must be and a second commissioner may be a member of the Executive Council of the Province of Ontario. In the conduct of the Commission's affairs, the commissioners are responsible for, and are the final authority in establishing policy.

Systems

For the financial and administrative purposes of the Commission, the Province is divided into two parts. The Southern Ontario System serves that part of the Province lying south of a roughly east-west line drawn approximately west from Mattawa on the Ottawa River to Georgian Bay. It is a fully integrated power system comprising the Niagara, Georgian Bay, and Eastern Ontario Divisions. The Northern Ontario Properties serving the northern part of the Province comprises two divisions, the Northeastern Division and the North-western Division, each a separate integrated power system, the former being also interconnected with the Southern Ontario System. The Southern Ontario System is a co-operative system primarily serving a large group of municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act. The Northern Ontario Properties is not a co-operative system although it does serve a small group of municipalities in the Northwestern Region on a cost-contract basis. Apart from the supply of power to these cost-contract customers, the Northern Ontario Properties are held and operated in trust for the Province of Ontario. For administrative purposes the whole area served by the Commission is subdivided into nine regions, seven in the south and two in the north, with regional offices located in nine major municipalities. At present the two northern regions coincide with the two divisions.

Financial Features

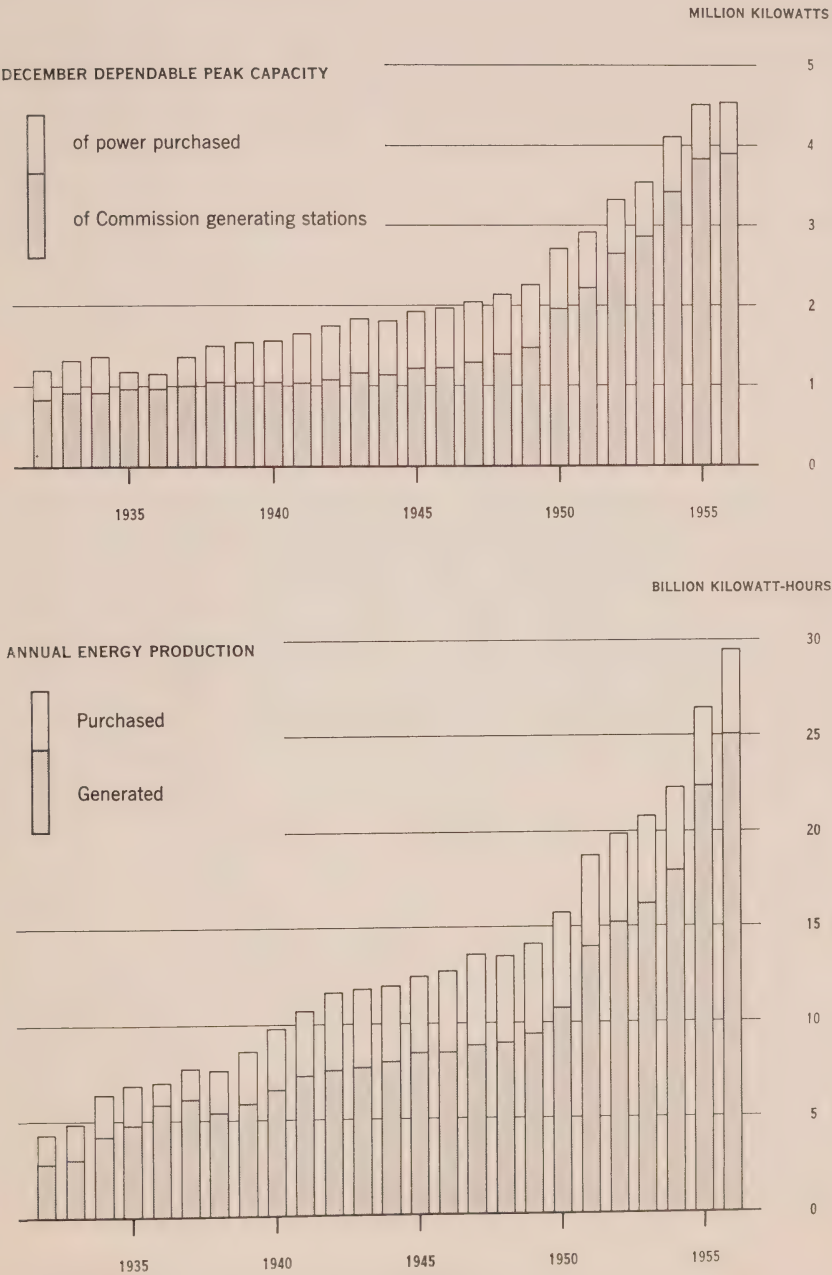
The undertaking as a whole involves two distinct phases of operations as follows:—

The first phase of operations is the provision of electricity—either by generation or purchase—and its transformation, transmission, and delivery in wholesale quantities to municipal electrical utilities, certain large industrial customers, and rural operating areas. This phase of operations is performed by The Hydro-Electric Power Commission of Ontario.

The second phase is a retail operation. In most cities and towns, and in many villages and certain township areas, retail distribution of electricity is conducted by municipal commissions under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. These local commissions own and operate their own distribution facilities. In a small group of municipalities, The Hydro-Electric Power Commission of Ontario owns the distribution facilities and conducts retail distribution through what are called local systems. Throughout most of rural Ontario, the Commission, on behalf of the respective townships, operates the distribution facilities and attends to all physical and financial operations connected with the retail distribution of electricity to the customers

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION



in the rural operating areas. Since 1944 the rate structure applying to rural customers designated as farm, hamlet, commercial, and summer service has been uniform throughout the Province.

The basic principle governing the financial operations of the undertaking and its associated municipal electrical utilities is that electrical service is provided at cost. In the Commission's total cost of operation the following are included: the payment for power purchased, the cost of operating and maintaining the power systems, and related fixed charges. The fixed charges, in addition to interest, and reserve provisions for depreciation and for contingencies and rate stabilization, include a provision for a sinking fund reserve for the retirement of the Commission's capital debt.

In the application of the basic principle of supplying electrical service at cost, the municipal utilities are billed each month at interim rates established in accordance with estimates of the cost of providing service. At the end of the year, when the actual cost of providing service is known, the necessary credit or debit adjustments are made in the accounts of those on whose behalf the systems are operated.

The enterprise from its inception has been self-supporting apart from the assistance provided by the Provincial Government for 50 per cent of the capital cost of rural distribution facilities. The provision of this part of rural capital is undertaken in pursuance of the Province's long-established policy of assisting agriculture. The Province also guarantees the payment of principal and interest of all bonds issued by the Commission and held by the public.

Annual Summary—1956

Construction activity was vigorously carried on at the two major power developments in the Southern Ontario System—the St. Lawrence Power Project, and Sir Adam Beck-Niagara Generating Station No. 2. The former will be initially placed in service in the summer of 1958. The pumping-generating station at Sir Adam Beck-Niagara Generating Station No. 2 will be placed in service in 1957 and the six-unit station will be substantially complete by the end of that year. Also in 1957 the first of four additional units scheduled for installation in the main generating station will be placed in service and the development will be completed during the following year.

In the Northwestern Division, four units at Manitou Falls Generating Station on the English River were placed in service during 1956 and construction was continued for the addition of a fifth unit. Work was well advanced at Whitedog Falls on the Winnipeg River where a three-unit generating station will be placed in service early in 1958. Construction was begun for a generating station at Caribou Falls, also on the English River, where three units will be placed in service later in 1958. Extensions of one unit each are being made at Cameron Falls and Alexander Generating Stations on the Nipigon River, and these additional units are also scheduled for service during 1958.

Provision for greatly increased quantities of power between 1958 and 1960 or 1961 is being made in the enlargement now under way at Richard L. Hearn

Generating Station in Toronto to 1,200,000 kilowatts, or three times its present capacity. Construction on the first nuclear power generating station was begun in September at a site provided by the Commission close to Des Joachims Generating Station. The work is being jointly undertaken by the Commission, Atomic Energy of Canada Limited, and the Canadian General Electric Company Limited. In co-operation with other Canadian electric power utilities, preliminary design studies are being carried out for a large-scale nuclear power plant.

In December 1956 the total dependable peak capacity of the Commission's power resources, whether generated or purchased, was 4,552,100 kilowatts and was not markedly changed from that of 1955. Power demands were up 6.7 per cent over 1955. Energy generated and purchased during 1956 amounted to 29,523,546,866 kilowatt-hours, and delivery was made during the year to 350 municipally owned distribution systems for resale, to 206 direct industrial customers, and to Commission-owned distribution systems for the supply of customers in 29 municipalities and 105 rural operating areas. The total number of ultimate customers served by the combined networks of the Commission and the municipally owned systems was 1,612,049.

During 1956 the Commission completed the necessary arrangements for the interconnection of its facilities in the Northwestern Division with those of the



WHITEDOG FALLS GENERATING STATION—Early stages of construction showing camp area and partially completed sluiceways and cofferdams. Above the dam site a Bailey bridge crosses the river on the road from Minaki to Caribou Falls. The 115-kv transmission line southeast to Kenora Switching Station will follow the cleared right of way, top right.

Manitoba Hydro-Electric Board. The facilities were in service beginning October 28 to the mutual benefit of both systems.

Financial results reflect favourable operating conditions during the year and particularly good returns from the sale of surplus energy. Gross revenues exceeded those of 1955 by 12.3 per cent to reach \$186,311,140. The investment in fixed assets at cost was increased during the year by the net amount of \$160,238,456, and at December 31 stood at \$1,732,994,596. The Commission's total assets after deducting accumulated depreciation provided on fixed assets were \$2,010,680,078.

The total staff employed by the Commission at the end of 1956 was up by 890 over the total in 1955, almost the entire increase being in temporary staff, for the most part construction workers. Of the 17,974 persons employed, 13,560 were regular and 4,414 were temporary employees.

GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the eight sections and four appendices of the Report which follow. Operations, finance, customer relations, and frequency standardization are the subjects of the first four sections and their related appendices. The narrative in Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports of weather conditions, maintenance, communications, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's balance sheets, statements of financial operations, and tables showing the funded debt and advances from the Province of Ontario. Appendix II includes supporting schedules and accounts in addition to the statements of reserves, sinking fund equity, and cost of power. In Section III consideration is given first to the supply of power in wholesale quantities to municipal and direct industrial customers and to the rural power district. Subsequently the retail aspects of service to customers in the rural operating areas are treated in some detail under the heading Rural Electrical Service in Section III, and in Appendix III. Another subsection of Section III, in the form of reports from the regions, deals with certain activities relative to service in municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff. Frequency standardization is the subject of Section IV, but the financial aspects of this project are included in Section II with the discussion of financial activities in general.

Engineering and construction activities are discussed in the two sections that follow. Section V deals with the planning and construction of facilities for the delivery of power. It includes descriptions of the more important construction projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section VI contains reports on the progress of some of the investigations being conducted by members of the Commission's Research Division.

Section VII deals with aspects of employee relations and related subjects. Appendix IV deals with legislation relative to the Commission's affairs, and reports on other legal matters.

The largest section in the Report, Section VIII, is entitled Municipal Electrical Service. It comments briefly on the retail operations and financial status of the municipal electrical utilities. The commentary on retail operations, however, includes those services provided by the Commission through Commission-owned local municipal systems. The four statements that complete the section give balance sheets, operating statements, rates, and other statistical information relating to services in the municipalities supplied by the Commission. The first two statements include only the municipal utilities; the others include also the local systems.

SECTION I

OPERATION OF THE SYSTEMS

THE Province continues to grow in population and in productive output. Both are reflected in the increasing demand for power on the Commission's systems. In 1956 the increase in primary power requirements, closely approximating the long-term rate of growth, was substantial in all systems.

The Commission's power resources to meet these increased requirements in 1956 amounted to 4,552,100 kilowatts. The newly constructed Manitou Falls Generating Station was placed in service during the year but the apparent increase in total resources brought about by the four units at this station was not large since it was to a considerable extent offset by reductions in contracts for purchased power. In view of the growth in loads the margin of power reserves on the systems was reduced from 1955 levels. Even allowing for this apparent check in the growth of resources the average annual increase in resources over the past 5-year period from 1951 to 1956 has been in excess of 322,000 kilowatts, and the present capacity of the Commission's resources is well over $2\frac{1}{4}$ times the capacity in 1945.

The Annual Energy Account on page 200 sets forth comparable figures on energy made available and disposed of during 1955 and 1956. Of the total net kilowatt-hour output of the Commission's resources amounting to 29,523,546,866 kilowatt-hours in 1956, about 85 per cent was generated in the Commission's 65 hydro-electric and 5 thermal-electric stations. The contributions made to this total by particular stations and those made in addition by other suppliers are indicated in the table on pages 202 and 203. The total net output of all resources in 1956 exceeded that of 1955 by 11.2 per cent.

In general the sharp upward trend in monthly average primary energy requirements which had begun in August 1955 continued through to reach a winter maximum early in 1956. The growth over 1955 requirements continued to be substantial until midsummer. Thereafter the rate of growth in 1956 fell somewhat short of that experienced in the second half of 1955 as demands turned seasonally upwards during the autumn months. Total primary energy requirements for the year exceeded the corresponding requirements in 1955 by 9.8 per cent. A summary table of resources, requirements, and production for all systems follows.

POWER RESOURCES, REQUIREMENTS, AND PRODUCTION—1956

(Figures for 1955 and Per Cent Change in *Italic Type*)

	Southern Ontario System	Northern Ontario Properties		Total
		NORTHEASTERN DIVISION	NORTHWESTERN DIVISION	
Resources				
Dependable peak capacity —December (kilowatts)	3,881,400 <i>3,913,500</i>	299,900 <i>299,600</i>	370,800 <i>317,400</i>	4,552,100 <i>4,530,500</i>
Requirements				
PRIMARY Peak—Annual maximum (kilowatts)	3,767,480 <i>3,534,000</i>	393,625 <i>366,458</i>	356,737 <i>329,766</i>	..........
	+6.6%	+7.4%	+8.2%	.....
Energy—Total annual (kilowatt-hours)	20,813,014,384 <i>18,993,461,493</i>	2,459,409,770 <i>2,253,164,903</i>	2,264,861,866 <i>2,011,488,790</i>	25,537,286,020 <i>23,258,115,186</i>
	+9.6%	+9.2%	+12.6%	+9.8%
*Production				
PRIMARY AND SECONDARY Peak—Annual maximum (kilowatts)	4,160,925 <i>3,740,760</i>	393,625 <i>366,458</i>	356,737 <i>329,122</i>	..........
	+11.2%	+7.4%	+8.4%	.....
Energy—Total annual (kilowatt-hours)	24,695,120,284 <i>22,043,837,893</i>	2,527,952,150 <i>2,367,882,383</i>	2,300,474,432 <i>2,143,388,130</i>	29,523,546,866 <i>26,555,108,406</i>
	+12.0%	+6.8%	+7.3%	+11.2%
PRIMARY ONLY Energy—Total annual (kilowatt-hours)	20,812,985,684 <i>18,993,067,693</i>	2,459,409,770 <i>2,253,164,903</i>	2,264,858,942 <i>2,011,390,590</i>	25,537,254,396 <i>23,257,623,186</i>
	+9.6%	+9.2%	+12.6%	+9.8%

*For use by the System or Division.

Stream-Flow and Storage Conditions

With some reservations respecting the Northwestern Division, weather conditions were generally satisfactory for the operation of the Commission's hydro-electric resources. In the Southern Ontario System and in the Northeastern Division the spring freshet was retarded by unseasonably cold weather and the absence of spring rains. Following heavy rainfall in May, the freshet reached normal proportions in June and by the end of the month all storage areas had been satisfactorily replenished, with the exception of that on the Gatineau River. By contrast with 1955, excellent stream-flow and storage conditions prevailed throughout the summer and early autumn. Runoff, although it declined during the late stages of the year, still remained slightly better than normal. Storage in the Southern Ontario System and Northeastern Division was satisfactory at the year end. In the Northwestern Division storage replenishment beginning in mid-May continued into early July. Thereafter below-normal rainfall occurred for the remainder of the year. Every effort was made to conserve water, including the suspension of the sale of secondary power from mid-August to the end of the year, but storage was still below normal at the year end.

SOUTHERN ONTARIO SYSTEM

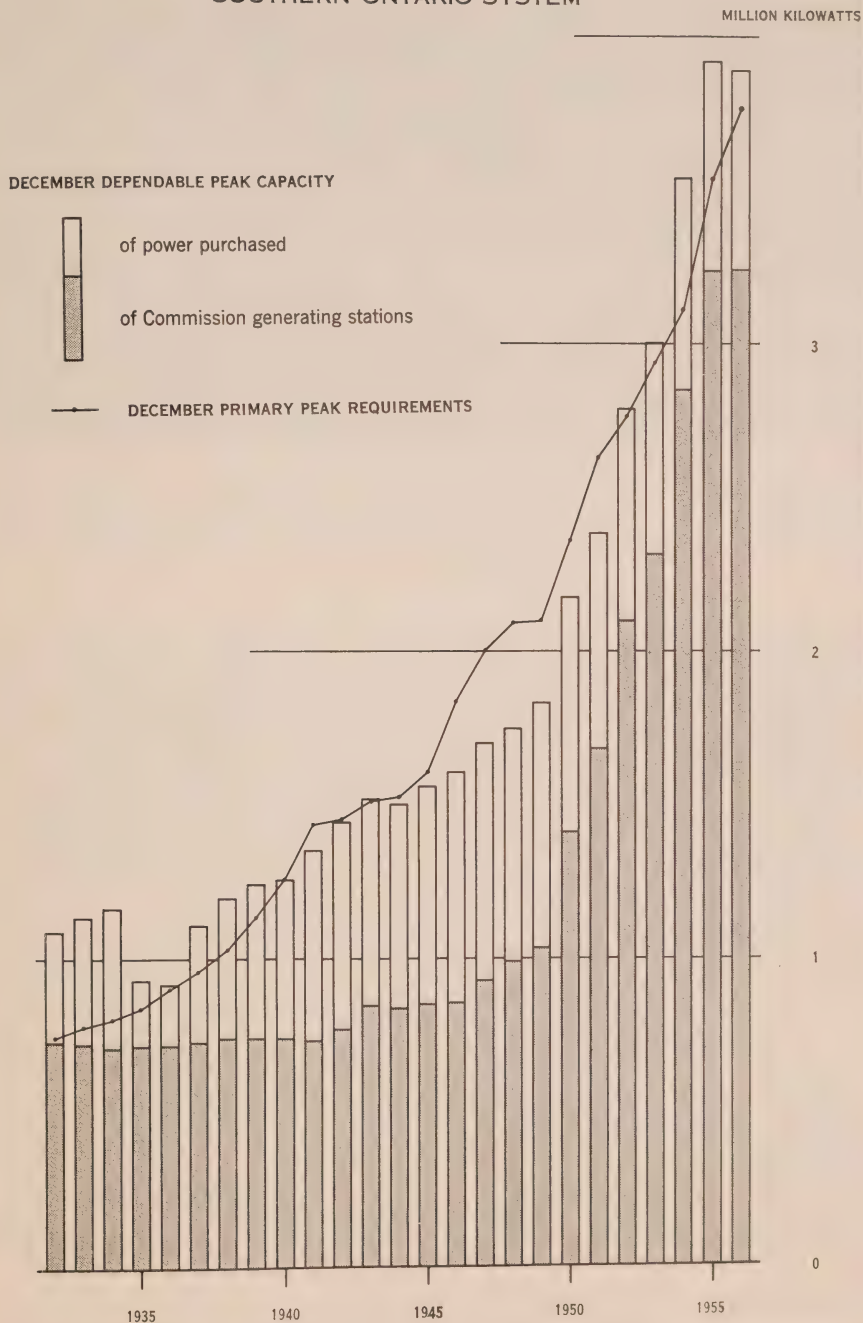
Under the arrangement agreed upon in 1955 the Commission continued to assist the Quebec Hydro-Electric Commission by reducing deliveries required from Beauharnois Generating Station and, in the early part of the year, by supplying some 60-cycle power and energy to Quebec. After the spring freshet the Gatineau Power Company under a mutually satisfactory arrangement with Ontario Hydro reduced deliveries because of storage conditions. Later, improvement in storage enabled the Company to make up the reduction and to supply energy in excess of contract. On June 29 the contract with the Gatineau Power Company for the delivery of 11-kv power in Ottawa expired. Ottawa-Slater Transformer Station, which had been planned for the supply of loads formerly served by this purchase contract, was not placed in service until September but temporary facilities were provided by the Commission during the intervening weeks. Following the spring freshet and for most of the remainder of the year the Ottawa Valley and Maclaren-Quebec Power Companies were also able to supply energy in excess of contract. The contract with Maclaren-Quebec Power Company for 60-cycle power and energy expired on May 31 but the Company continued to operate its frequency-changer and assisted the Commission by supplying much of the requirements under the 25-cycle contract at 60 cycles.

The Commission in turn rendered emergency assistance to the Niagara Mohawk Power Corporation after the Schoellkopf Generating Station was severely damaged by a rockslide on June 7. The Commission agreed to make available to Niagara Mohawk Power Corporation such amounts of power and energy as could be supplied after due allowance had been made for satisfactory and economical service to the Commission's customers in Canada. In order to afford further assistance to the Niagara Mohawk Power Corporation it was

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

POWER DEMANDS AND RESOURCES

SOUTHERN ONTARIO SYSTEM





ST. LAWRENCE POWER PROJECT — The first stage of the Long Sault dam nears completion. Water will flow through these sluiceways when they are finished to permit cofferdamming and excavation for the second stage. The new dam will be a curved-axis spillway structure about 2,250 feet long. In conjunction with the powerhouse dam it will maintain the level of the headpond.

agreed that at times when output at "Toronto Power" and "Ontario Power" Generating Stations might otherwise be reduced because of low river-flow, water which would normally have been used at the Schoellkopf station would be used on a rental basis for the operation of either or both of these Commission stations. In addition the Commission, when it was expedient to do so, continued to use at its more efficient stations water normally used at the Canadian Niagara Power Company's Rankine Generating Station. Energy equivalent to the water used was returned to the Company. In the latter months of the year the Commission purchased power at time of peak from The Detroit Edison Company and from the Polymer Corporation in order to render maximum assistance to the Quebec Hydro-Electric Commission and to the Niagara Mohawk Power Corporation.

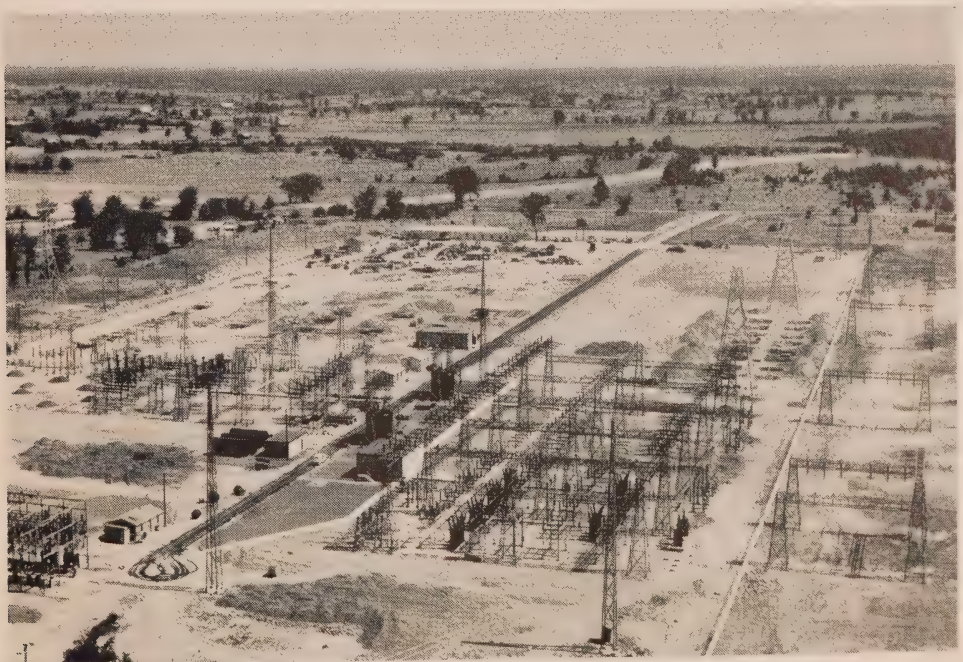
Owing in part to the excellent stream-flow and storage conditions prevailing in the second half of 1956 much less energy was transferred from the Southern Ontario System to the Northeastern Division than in 1955. Two system disturbances in May were the result of severe lightning storms in the Niagara area. Service was interrupted on lines supplying 230-kv power from Sir Adam Beck-Niagara Generating Station No. 2. This resulted in the complete interruption of the flow of power from this station, which led in turn to widespread loss of 60-cycle load across the Province because of low frequency and voltage.

Following the standardization of two units at Sir Adam Beck-Niagara Generating Station No. 1 and their return to service in August, units at DeCew

Falls Generating Station No. 2 were isolated for supply to the Hamilton area. These changes improved voltage regulation in the Niagara and Hamilton areas and contributed also to improved service security. St. Lawrence Transformer Station was placed in service in April, replacing Cornwall Transformer Station which was removed to permit dike construction for the St. Lawrence Power Project. When the first 230-kv transmission line carrying power from Richview Switching Station to St. Lawrence Transformer Station was placed in service in September, it relieved the heavily loaded condition of the 115-kv tie-lines in the eastern sector of the system. Extensive line changes were made to the 230-kv, 25-cycle network when Cherrywood Switching Station was incorporated into the system.

Load Trends

It was hardly to be expected that the accelerated rate of growth in primary power requirements experienced in the final quarter of 1955 would be prolonged. The Southern Ontario System primary peak requirements in December exceeded the corresponding peak of 1955 by 6.6 per cent. This closely approximates the long-term rate of growth on the system. Primary energy requirements for the year were up by 9.6 per cent over those of 1955. The total amount of energy produced for disposal in the secondary market was 3,882,134,600 kilowatt-hours.

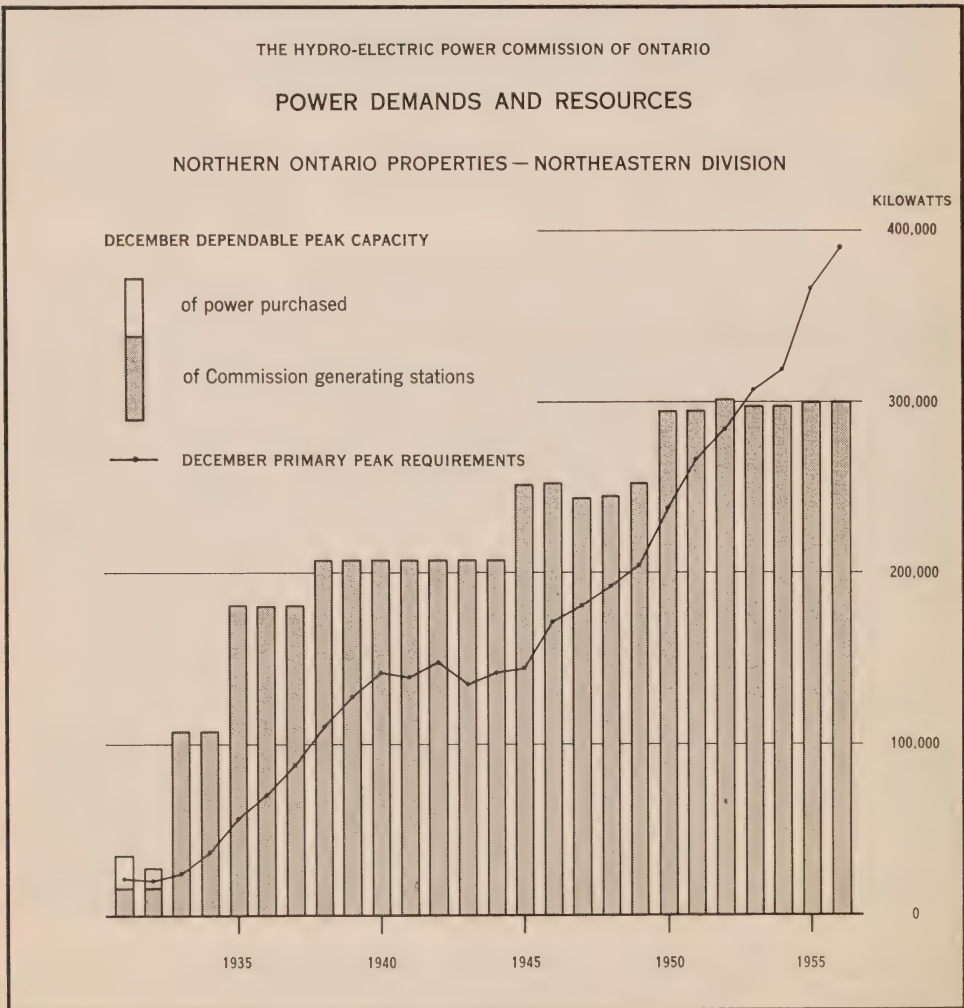


ST. LAWRENCE POWER PROJECT — The 230-kv and 115-kv sections of the St. Lawrence Transformer Station. The 115-kv and 44-kv sections of the station were placed in service in 1956. The 230-kv section will be placed in service during 1957.

NORTHERN ONTARIO PROPERTIES

In the Northeastern Division the maximum annual primary power requirements occurred in November and were 7.4 per cent higher than the maximum for 1955. This was a somewhat smaller increase than had been expected, largely owing to the slower than estimated development of load in the Blind River mining area. The annual primary energy requirements showed a larger increase of 9.2 per cent over the 1955 requirements. At times when production exceeded primary requirements, 68,542,380 kilowatt-hours were produced for disposal in the secondary market.

The Northwestern Division likewise registered a greater increase proportionately in primary energy requirements than in peak requirements. The latter rose by 8.2 per cent while primary energy requirements rose by 12.6 per cent. Although the sale of secondary energy for use in electric boilers was suspended in the division after the middle of August, a total of 35,615,490 kilowatt-hours were disposed of in the secondary market during the year.

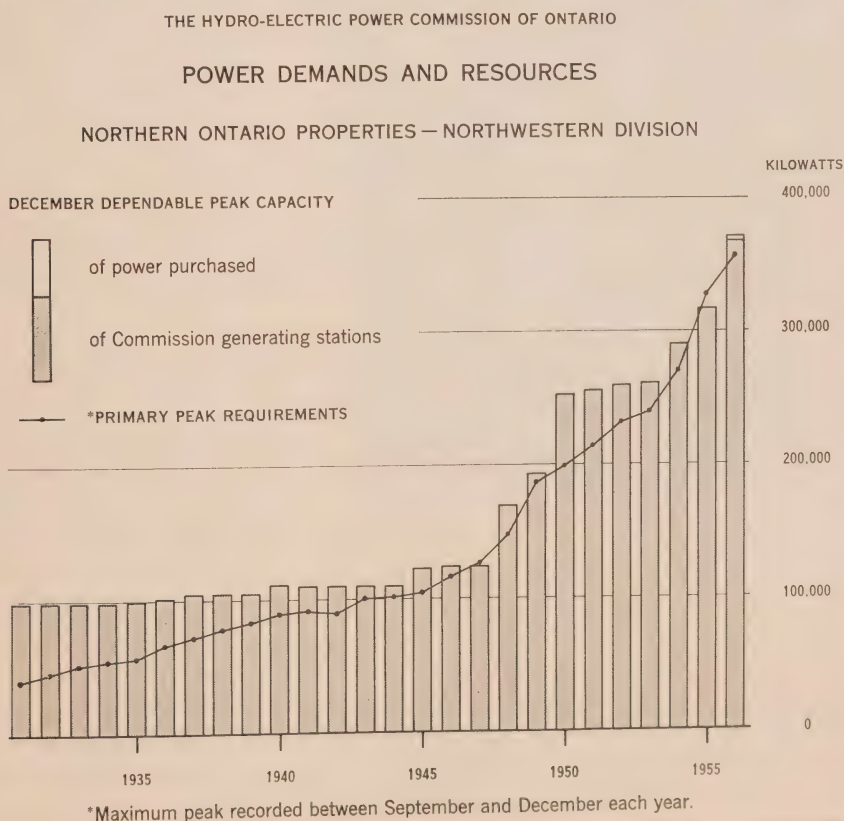


In the Northwestern Division, Kenora Switching Station was placed in service in October to control circuits connecting Dryden Transformer Station with the Manitoba Hydro-Electric Board's Seven Sisters Generating Station. Four units were placed in service at Manitou Falls Generating Station between March 29 and July 15. They were incorporated into the system by a new 115-kv line to Ear Falls Generating Station, new facilities at Ear Falls Generating Station and at Dryden Transformer Station, and the changing over to 115-kv operation of the line from Ear Falls Generating Station to Dryden Transformer Station.

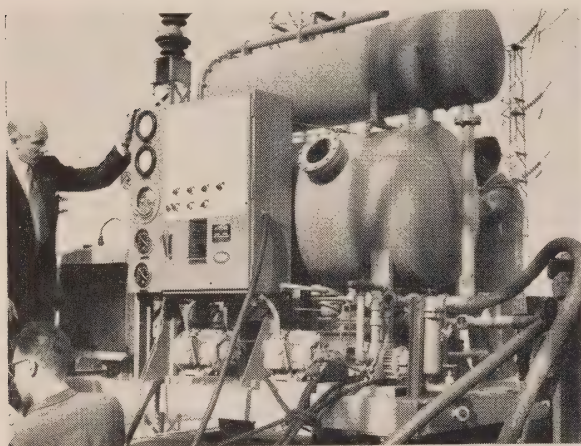
MAINTENANCE OF THE SYSTEMS

The program of maintenance and inspection of hydraulic equipment was appropriately co-ordinated with the changing requirements of loads.

The first welding repairs were undertaken for nine large turbine runners—four at Otto Holden Generating Station, three at Sir Adam Beck-Niagara Generating Station No. 2, and two at Pine Portage Generating Station. The extent of the work involved is indicated by the use in these repairs of about 9 tons of weld metal, for the most part stainless steel. During the year two generators at Sir Adam Beck-Niagara Generating Station No. 1 were standardized at 60 cycles. Advantage was taken of the opportunity to modernize the associated turbines by replacing the water-lubricated lignum-vitae bearings with oil-lubricated babbitted bearings.



Stainless steel turbine runners were used to replace worn-out bronze runners on three small units. By its high resistance to cavitation the use of stainless steel is expected to reduce maintenance costs.



Equipment designed to remove gases from insulating oil by separating volatiles from the oil within a vacuum chamber. Oil inlet and outlet, right, pass 1,000 imperial gallons of oil per hour at temperatures above 32° Fahrenheit. Equipment is conveniently mobile and can be mounted on a trailer for use at various locations.

was dried by a heat-vacuum cycle which removes the moisture in the form of steam; the other was dried by heat cycling, the moisture being taken off as the transformer oil is circulated through a vacuum.

Lines and Communications

Maintenance of the Commission's 13,794 route miles of transmission line involves a variety of operations including line patrol, line tower and pole rehabilitation, and forestry work.

All 115-kv circuits in the Niagara Region were tested for hot spots by the use of the bolometer. About 40 miles of 44-kv line in the East Central Region, in service upwards of forty years, were completely rehabilitated. About 3,100 transmission poles, 12,000 distribution poles, and 300 communication poles were replaced during 1956. Butt treatment of poles is being increasingly used as an economical method of extending pole life. A total of 226 transmission line towers in the Western and Niagara Regions were painted during the year.

The Commission's five helicopters played a large part both in patrol and forestry work. They patrolled a total of 147,390 circuit miles of high-voltage lines during the year and also provided material assistance to the Department of Lands and Forests in combatting a forest fire. Their total flying time was 2,866 hours during the year. The helicopters based in the Northeastern and Northwestern Regions, in addition to carrying out aerial photography and surveys for line and road construction, sprayed 700 acres for the control of brush growth. This is more than double the area so sprayed in 1955.

Routine maintenance of electrical equipment was carried out in accordance with established schedules. More extensive work was required on twelve large generators as the result of movement of stator iron, on a large turbo-generator because of unbalance, and on fifteen power transformers following insulation breakdown. It was necessary to modify the field-pole bracing of four large rotating condensers. Of particular interest was the drying, in position, of two large power transformers which had become excessively contaminated with water from the cooling system. One

In all, some 22,415 acres of line right of way were treated with chemical herbicide for the control of brush, again a substantial increase over the acreage treated in the previous year. Mobile equipment which can operate in muskeg areas was more extensively used to spray in places hitherto inaccessible to ground equipment. Spraying now carried on throughout the dormant period of the winter months is proving effective in the control of brush growth.

Tree husbandry and conservation is another important aspect of the maintenance program. The purchase of additional mechanical equipment has made possible a considerable increase in line-clearing work. The new equipment included truck-mounted aerial ladders, portable generators for the operation of electric chain saws, and a chipping machine capable of reducing to chips logs up to 6 inches in diameter. Nearly 8,750 miles of transmission and distribution right of way were cleared of tree interference during 1956. In other locations reforestation is of prime importance. More than 70,000 seedling trees were planted on about 70 acres of Commission-owned property located in the Niagara, Eastern, and Northeastern Regions.

Power-line carrier for protective relaying of the 230-kv transmission line between Richview Switching Station and St. Lawrence Transformer Station was placed in service. Power-line telemetering and load-control carrier equipment previously supplying channels between Chats Falls Generating Station and A. W. Manby Transformer Station for the operation of the automatic load-frequency control system were relocated in association with the placing in service of Cherrywood Switching Station. The fixed-to-mobile frequency-modulation radio system was expanded to include 98 fixed and 415 mobile stations. The system is very effective in the expeditious despatch of radio-equipped trucks engaged in the erection, maintenance, and repair of transmission and distribution lines.

Extensive construction work now going on in the Northwestern Region has required expansion of the Commission's radio communication between Toronto and the construction projects, and extension of telephone services between operating stations in the area.



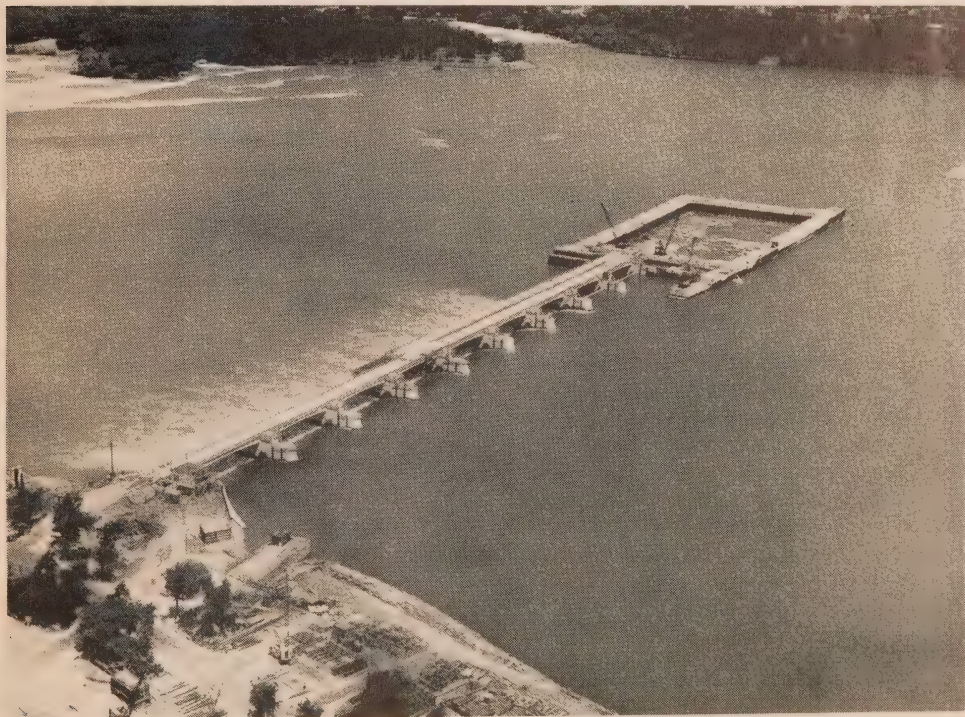
Forestry crews using modern equipment prune trees along rural lines. Special care and attention are paid to good conservation practices.

Commission-owned telephone facilities at Des Joachims and Chenaux Generating Stations and at the power supervisor's office in Toronto were replaced during 1956 by Bell Telephone facilities. At the Commission's new regional office buildings at Hamilton, Ottawa, and North Bay completely new telephone exchange facilities were installed for automatic handling of internal and manual handling of external calls.

SECTION II

FINANCE

THIS section of the Report and the related Appendix II deal with the financial operations of the Commission alone, all reference to financial operations of the municipal electrical utilities being segregated in Section VIII. The Commission's operations involve sales to municipal electrical utilities for resale to their customers, sales to direct industrial customers, and sales to ultimate customers served through Commission-owned local municipal systems and rural distribution facilities. In accordance with the basic principle of the Commission's



NIAGARA RIVER REMEDIAL WORKS — The Grass Island control dam with nine gates in operation. Work on the remaining gates is under way in the cofferdammed area. Construction of the 1,550-foot structure with its 13 sluiceways will be completed in 1957.

operations any excess of amounts billed over the cost of providing service is credited, in the Southern Ontario System to the co-operating municipal utilities or to the rural power district, and in the Northern Ontario Properties either to the co-operating municipal utilities or to the account of the Province of Ontario.

For financial purposes, operations in the Southern Ontario System are separated from those in the Northern Ontario Properties and the related financial statements are accordingly separately presented, the two balance sheets and two statements of operations in this section being supported by appropriate schedules and accounts in Appendix II. These supporting statements begin for the Southern Ontario System on page 214 and for the Northern Ontario Properties on page 248. The statements of funded debt and advances from the Province of Ontario on pages 30 and 32 give details of long-term debt outstanding on behalf of each of the two financial entities. The statements relating to the cost of power beginning on pages 222 and 254 show for each cost-contract municipality the power and energy supplied during the year, the main components of cost, and the year-end adjustments made in the amounts actually billed. The year-end adjustments resulted in a total net refund of \$3,796,487 to the cost-contract utilities, \$3,725,447 to those in the Southern Ontario System and \$71,040 to those in the Northern Ontario Properties.

FINANCIAL OPERATIONS—1956

For the second successive year the total gross revenues in 1956, reflecting increased sales, showed a growth over the previous year of over 12 per cent, the actual increase being \$20,478,176 or 12.3 per cent. Total gross revenues, all systems, were \$186,311,140 as compared with \$165,832,964 in 1955.

SOUTHERN ONTARIO SYSTEM

The increase in gross revenue of the Southern Ontario System over that of 1955 was 12.7 per cent, from \$140,630,145 to \$158,509,663. The total cost of providing service, at \$154,736,962, was higher than the 1955 cost by \$17,777,515, or 13.0 per cent. Operating expenses representing the first three items on the statement of operations were up by \$6,575,882, or 12.4 per cent. Of the remaining \$11,201,633 increase in total cost, somewhat over half represents fixed charges on new capital assets placed in service during the year to meet growing power demands; the rest represents increased provisions for amortizing the cost of frequency standardization, and for stabilization of rates and contingencies after allowing for the closing out of reserves held for the benefit of the Georgian Bay and Eastern Ontario Divisions and for credit resulting from matured sinking fund. The increase in these provisions was appropriate in view of the unusually favourable circumstances prevailing during the year, particularly since the increase was more than covered by the \$5½ million rise in revenue from the sale of secondary power and energy. A total of 85 municipalities benefited from matured sinking fund.

Further credits amounting in total to \$18,441 were made in the cost of power to 23 municipalities that otherwise would have been required to meet unduly high costs of service. The application of this amount of \$18,441, the interest on a special fund established for the purpose, enabled the Commission to establish a ceiling rate of \$46.53 per kilowatt in 1956 as compared with \$49.79 in 1955.

**Table of Expenditures by The Hydro-Electric Power Commission of Ontario
on Frequency Standardization**

	Prior to 1956	During 1956	Total at Dec. 31, 1956	Amounts amortized or to be amortized
	\$	\$	\$	\$
Standardization of customers' equipment and system facilities (charged to frequency standardization account)	222,673,714	42,056,530	264,730,244	122,986,919
Standardization of rural and local distribution facilities (charged to rural and local operations, maintenance, and administrative expense)	959,547	324,654	1,284,201	1,284,201
	223,633,261	42,381,184	266,014,445	124,271,120
Expenditures on inventory of equipment, supplies, and other assets	19,662,166	4,043,023	15,619,143	.....
Amount to be written off in future years . . . . .	.....	.....	.....	141,743,325
Value of equipment, supplies, and other assets for future standardization work . . . . .	.....	.....	.....	15,619,143
Total expenditures	243,295,427	38,338,161	281,633,588	281,633,588

NOTE: Does not include expenditures of \$7,082.54 applicable to the Northern Ontario Properties.

The table of expenditures by the Commission on frequency standardization may be related to the table on progress of the work which appears on page 53. The cost of work done, \$42,381,184, was up only 1.4 per cent over 1955 although the amount of work completed, represented by the number of frequency-sensitive items standardized, was up by nearly 16 per cent. An amount of \$11,800,480 plus interest of \$5,686,280 to finance the frequency standardization account was charged to the cost of power, and \$324,654 spent on standardization of rural facilities was recovered from rural revenues. The amount to be written off in future years was increased by \$30,256,049.

NORTHERN ONTARIO PROPERTIES

Gross revenues in the Northern Ontario Properties in 1956 showed an increase of 10.3 per cent, from \$25,202,819 in 1955 to \$27,801,477 in 1956. These revenues reflect not only increased sales in wholesale quantities to the municipal electrical utilities and to direct industrial customers, but also retail sales to customers served in local systems and in the rural operating areas.

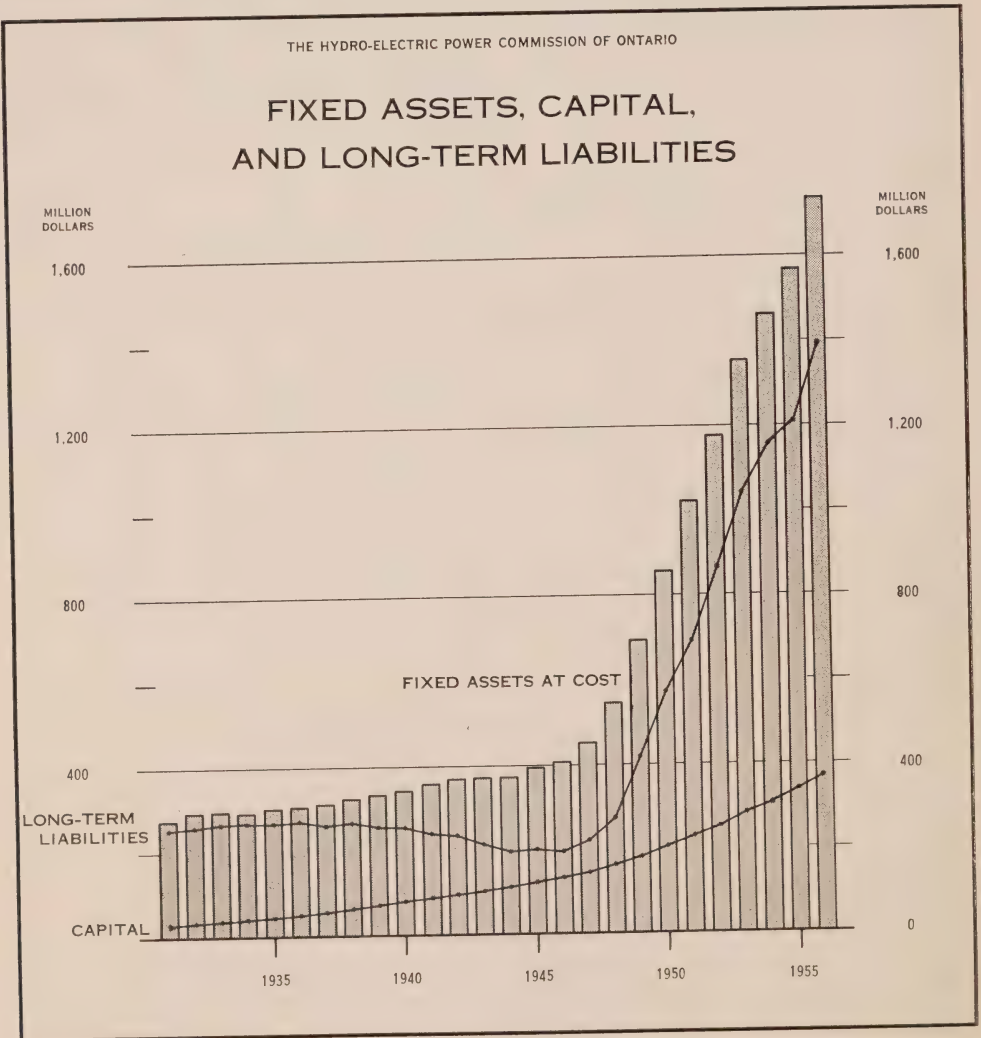
The total cost of providing service to all customers in the Northern Ontario Properties was \$27,506,594 after application of a credit of \$714,347 resulting from prepaid or matured sinking fund.

Actual operating expenses were up 8.4 per cent for the year, from \$11,729,559 to \$12,715,170. The provision for stabilization of rates and contingencies reserve was substantially increased in 1956. In the next few years the accumulated reserve will assist materially in minimizing wide fluctuations in the cost of power as new generating facilities are placed in operation.

In the rural power district alone revenues were up by 19.5 per cent, but the cost of providing service increased by 20.1 per cent, resulting in a somewhat larger deficit from rural operations than in 1955.

SUMMARY OF FINANCIAL POSITION

Gross expenditures on fixed assets during 1956 reached \$173,003,125, of which 74 per cent was spent on generating facilities. The major items contributing to this total were St. Lawrence Power Project \$84,674,598; Sir Adam Beck-Niagara Generating Station No. 2 \$19,546,822; and Whitedog Falls and Caribou Falls Generating Stations \$13,854,256. Additional or improved rural



facilities represent \$17,243,831, or about 10 per cent of the total expenditure on fixed assets. After allowing for sales and retirements amounting in total to \$12,764,669 there was a net increase in investment in fixed assets of \$160,238,456, bringing the total investment in fixed assets at cost to \$1,732,994,596. This total includes rural fixed assets of \$210,087,606. Against this total investment in fixed assets, accumulated depreciation amounting to \$190,314,840 had been provided.

The total assets of the Commission at December 31, 1956, after deducting accumulated depreciation and an intersystem account of \$5,286,829, were \$2,010,680,078 as compared with \$1,788,279,899 at December 31, 1955.

Capital and Debt Position

The increase of \$222,400,179 in total assets together with the liquidation of the bank overdraft of \$28,492,707 outstanding at December 31, 1955 were financed in part by the issue of bonds, in part by the Province's contribution of \$6,016,543 towards capital costs of rural construction, and the remainder from internal resources. The net increase in long-term debt outstanding was \$183,665,883, bringing the total at December 31, 1956 to \$1,392,492,740.

Capital, amounting to \$368,169,165 at December 31, 1956, includes \$104,725,238 contributed by the Province as assistance for the construction of rural distribution facilities, and sinking fund reserves of \$263,443,927 accumulated out of revenues for the purpose of liquidating the Commission's long-term debt. The sinking fund reserves, except for \$12,993,593 invested in government-guaranteed bonds, had been used for the retirement of debt.



ST. LAWRENCE POWER PROJECT — Water flows through the open gates of the first stage of construction of the Iroquois control dam. At the left, cofferdam construction for the second stage is under way. When completed, the 2,250-foot dam will regulate the flow of water from Lake Ontario. Thirty-two sluices, each 50 feet wide, will provide discharge capacity well in excess of the maximum recorded river-flow.

THE HYDRO-ELECTRIC POWER
SOUTHERN
BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power system.....	\$ 1,250,766,929	
Administrative and service buildings and equipment.....	25,697,052	
Rural Power District.....	179,483,801	
	<u>\$ 1,455,947,782</u>	
Less accumulated depreciation.....	156,619,751	\$ 1,299,328,031

FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardization work.....	\$ 15,619,144	
Cost of completed standardization after charging \$122,986,919 to reserves and cost of power—balance to be written off in future years.....	141,743,325	157,362,469

CURRENT ASSETS:

Cash on deposit with banks and trust companies.....	\$ 13,045,636	
Temporary investments in government securities at market value.....	3,981,250	
Working funds.....	208,158	
Power accounts receivable.....	18,582,411	
Other accounts receivable.....	6,645,619	
Rural Power District grants receivable.....	1,008,804	
Interest accrued on investments held for general reserves...	890,302	
Customers' securities on deposit.....	255,450	
Prepayments and sundry deposits.....	212,585	
Northern Ontario Properties—current account.....	5,286,829	50,117,044

INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost.....	\$ 26,136,032	
Tools and equipment at cost less depreciation.....	8,816,888	34,952,920

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off...	\$ 16,849,760	
Agreements, mortgages, and sundry investments.....	309,580	
Exchange discount on funded debt.....	4,107,986	
Accounts receivable in annual instalments.....	1,489,095	
Deferred work orders and other assets.....	4,146,992	26,903,413

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds (approximate market value \$160,590,000)		
Investments held for special reserves (at amortized cost plus accrued interest)		
Pension fund.....	\$ 72,929,584	
Employer's liability insurance fund.....	3,281,583	
Savings and insurance fund.....	527,620	
Investments held for other reserves (at amortized cost)		
Stabilization of rates and contingencies.....	89,156,419	
Sinking fund.....	7,543,983	173,439,189
		<u>\$ 1,742,103,066</u>

Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario as at December 31, 1956, and the statement of operations for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations present fairly the financial position of the Southern Ontario System of the Commission as at December 31, 1956 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON & CO.

Chartered Accountants.

Toronto, Canada,
June 10, 1957.

COMMISSION OF ONTARIO

ONTARIO SYSTEM

AS AT DECEMBER 31, 1956

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)

including \$12,681,751 maturing in 1957:

Funded debt.....	\$ 1,344,218,800
Less—issued to finance Northern Ontario Properties, a separate trust operated by the Commission.....	168,166,545
	<u>\$ 1,176,052,255</u>

Advances from the Province of Ontario.....\$48,273,940

Less advances for Northern Ontario Properties 8,470,605

39,803,335

\$ 1,215,855,590

CURRENT LIABILITIES:

Accounts and payrolls payable and accrued charges.....	\$ 35,063,870
Customers' deposits.....	849,897
Interest accrued on long-term liabilities.....	11,685,358

47,599,125

SPECIAL RESERVES:

Pension fund.....	\$ 72,627,777
Employer's liability insurance fund.....	3,102,211
Savings and insurance fund.....	528,794
Exchange premium received on funded debt.....	4,807,160

81,065,942

GENERAL RESERVE:

Stabilization of rates and contingencies.....

94,472,933

CAPITAL:

Sinking fund reserve:

Represented by—

Funded debt and provincial advances retired through sinking funds.....	\$206,111,921
Sinking fund investments.....	7,523,945

\$ 213,635,866

Contributed capital:

Province of Ontario, assistance for rural construction.. 89,473,610

303,109,476\$ 1,742,103,066

NOTE: Commitments under uncompleted contracts for the construction of fixed assets, approximately \$130,000,000.

NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power system.....	\$ 244,427,925	
Administrative and service buildings and equipment.....	2,015,084	
Rural Power District.....	30,603,805	
	<u>\$ 277,046,814</u>	
Less accumulated depreciation.....	33,695,089	
		<u>\$ 243,351,725</u>

CURRENT ASSETS:

Cash in banks.....	\$ 172,449	
Working funds.....	37,432	
Power accounts receivable.....	3,104,949	
Other accounts receivable.....	494,995	
Interest accrued on reserve fund investments.....	138,610	
Customers' securities on deposit.....	1,221,273	
Prepayments.....	2,782	
		<u>5,172,490</u>

INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,355,891	
Tools and equipment at cost less depreciation.....	475,000	
		<u>1,830,891</u>

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off.....	\$ 1,814,185	
Exchange discount on funded debt.....	189,205	
Account receivable in annual instalments 1957-1989.....	1,905,281	
Deferred work orders and other assets.....	428,382	
		<u>4,337,053</u>

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$17,405,000)		
Held for—Stabilization of rates and contingencies reserve....	\$ 13,664,777	
Sinking fund reserve.....	5,506,905	
		<u>19,171,682</u>
		<u>\$ 273,863,841</u>

Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1956, and the statements of operations and surplus for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and surplus present fairly the financial position of the Northern Ontario Properties as at December 31, 1956 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
June 10, 1957.

ONTARIO PROPERTIES

Trust for the Province of Ontario and Municipalities Supplied with Power at Cost

AS AT DECEMBER 31, 1956

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)

including \$276,996 maturing in 1957:

Funded debt.....	\$ 168,166,545	
Advances from the Province of Ontario.....	8,470,605	
		\$ 176,637,150

Representing the portion of the funded debt and advances from the Province of Ontario owing by The Hydro-Electric Power Commission of Ontario, issued to finance Northern Ontario Properties.

CURRENT LIABILITIES:

The Hydro-Electric Power Commission of Ontario—current account.....	\$ 5,286,829	
Accounts and payrolls payable and accrued charges.....	1,629,864	
Customers' deposits.....	6,858,850	
Interest accrued on long-term liabilities.....	1,671,688	
		15,447,231

SPECIAL RESERVES:

Frequency standardization.....	\$ 280,525	
Exchange premium received on funded debt.....	183,205	
		463,730

GENERAL RESERVE:

Stabilization of rates and contingencies.....		15,813,747
---	--	------------

CAPITAL:

Sinking fund reserve:		
Province of Ontario.....	\$ 38,878,630	
Municipalities supplied with power at cost....	10,929,431	
		\$ 49,808,061

Represented by—

Funded debt and provincial advances retired through sinking funds.....	\$ 44,338,413	
Sinking fund investments.....	5,469,648	
	\$ 49,808,061	

Contributed capital:

Province of Ontario, assistance for rural construction.....	15,251,628	
Surplus—Account of the Province of Ontario.....	442,294	
		65,501,983
		<u>\$ 273,863,841</u>

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

STATEMENT OF OPERATIONS

for the Year Ended December 31, 1956

	Power system	Rural Power District	Total
	\$	\$	\$
COST OF POWER:			
Cost of power purchased.....	12,062,922	.....	12,062,922
Interchange of power with Northern Ontario Properties.....	1,365,587	.....	1,365,587
Operation, maintenance and administrative expenses	37,426,297	11,245,770	48,672,067
Interest (including interest on funded debt and re- serves, less interest earned on investments).....	38,174,911	3,106,244	41,281,155
Frequency standardization:			
Interest.....	5,686,280	.....	5,686,280
Portion of cost written off.....	11,800,480	.....	11,800,480
Depreciation.....	10,008,431	5,188,568	15,196,999
Stabilization of rates and contingencies provision...	9,618,903	.....	9,618,903
Sinking fund provision—contribution to system capital.....	11,272,794	918,888	12,191,682
	134,685,431	20,459,470	155,144,901
Credit resulting from matured sinking fund.....	54,157	.....	54,157
Withdrawal from stabilization of rates reserve.....	353,782	.....	353,782
	134,277,492	20,459,470	154,736,962
Cost of power supplied to Rural Power District....	14,756,988	14,756,988	.....
Total, including provision for, and withdrawal from stabilization of rates reserve.....	119,520,504	35,216,458	154,736,962
AMOUNTS BILLED:			
Municipalities (at interim rates)	86,024,636	.....	86,024,636
Rural customers.....	.....	35,263,712	35,263,712
Direct industrial customers.....	36,977,584	.....	36,977,584
Local distribution system customers.....	243,731	.....	243,731
Total.....	123,245,951	35,263,712	158,509,663
Excess of amounts billed over cost of power	3,725,447	47,254	3,772,701
Credited to municipalities on annual adjustments...	3,725,447	.....	3,725,447
Credited to stabilization of rates reserve.....	.....	47,254	47,254

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in Trust for the Province of Ontario and Municipalities Supplied with Power at Cost

STATEMENT OF OPERATIONS
for the Year Ended December 31, 1956

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural Power District	Other customers	Total		
COST OF POWER:	\$	\$	\$	\$	\$
Cost of power purchased.....		450,640	450,640		450,640
Interchange of power with Southern Ontario System.....		1,365,587	1,365,587		1,365,587
Operation, maintenance and administrative expenses.....	1,771,326	9,127,617	10,898,943		10,898,943
Interest (including interest on funded debt and reserves, less interest earned on investments).....	501,129	7,364,456	7,865,585		7,865,585
Frequency standardization provision.....		287,607	287,607		287,607
Depreciation.....	879,330	1,839,209	2,718,539		2,718,539
Stabilization of rates and contingencies provision.....		2,261,866	2,261,866		2,261,866
Sinking fund provision—contribution to system capital..	156,183	2,215,991	2,372,174		2,372,174
	3,307,968	24,912,973	28,220,941		28,220,941
Cost of power to municipalities supplied at cost.....		2,293,289	2,293,289	2,293,289	
Cost of power supplied to Rural Power District.....	1,556,226	1,556,226			
Credit resulting from prepaid and matured sinking fund.....		714,347	714,347		714,347
Total, including provision for stabilization of rates reserve....	4,864,194	20,349,111	25,213,305	2,293,289	27,506,594
AMOUNTS BILLED:					
Municipalities supplied with power at cost (at interim rates).....				2,364,329	2,364,329
Rural customers.....	3,780,412		3,780,412		3,780,412
Other customers.....		21,656,736	21,656,736		21,656,736
Total.....	3,780,412	21,656,736	25,437,148	2,364,329	27,801,477
Excess or deficiency of amounts billed over cost of power.....	1,083,782	1,307,625	223,843	71,040	294,883
Credited to municipalities on annual adjustment.....				71,040	71,040
Transferred to Surplus—Account of the Province of Ontario.....			223,843		223,843

Statement of Surplus—Account of the Province of Ontario
for the Year Ended December 31, 1956

Balance at credit January 1, 1956.....	\$ 218,451
Add net surplus from operations for the year ended December 31, 1956.....	223,843
Balance at credit December 31, 1956.....	\$ 442,294

THE HYDRO-ELECTRIC POWER

FUNDED DEBT AS AT

Guaranteed as to principal and interest

Date of maturity	Callable at par on or after	Date of issue	Interest rate per cent
Mar. 31, 1957	.....	Mar. 31, 1952	3
Aug. 1, 1957	.....	Aug. 1, 1917	4
June 1, 1958	.....	June 1, 1918	4
Dec. 1, 1958	.....	Dec. 1, 1918	4
Jan. 1, 1960	Jan. 1, 1955	Jan. 1, 1945	3
Mar. 15, 1960	Mar. 15, 1959(f)	Mar. 15, 1954	2.60
Mar. 15, 1961	Mar. 15, 1959(f)	Mar. 15, 1954	2.65
Mar. 15, 1962	Mar. 15, 1959(f)	Mar. 15, 1954	2.70
Mar. 1, 1963	Mar. 1, 1961	Mar. 1, 1948	3
Mar. 1, 1963	Mar. 1, 1962	Mar. 1, 1955	3
Mar. 15, 1963	Mar. 15, 1959(f)	Mar. 15, 1954	2.75
Mar. 15, 1964	Mar. 15, 1959(f)	Mar. 15, 1954	2.80
May 15, 1964	May 15, 1962	May 15, 1954	3
July 2, 1964	July 2, 1960	July 2, 1948	3
Oct. 15, 1964	Oct. 15, 1963	Oct. 15, 1956	4½
Dec. 15, 1965	Dec. 15, 1963	Dec. 15, 1948	3
Jan. 15, 1966	Jan. 15, 1964	Jan. 15, 1956	3¾
May 1, 1966	May 1, 1964	May 1, 1951	3½
Jan. 15, 1967	Jan. 15, 1965	Jan. 15, 1952	4
Mar. 15, 1967	Mar. 15, 1964	Mar. 15, 1953	4¼
April 1, 1967	April 1, 1964	April 1, 1947	2¾
April 1, 1967	April 1, 1965	April 1, 1949	3
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼
Jan. 15, 1968	Jan. 15, 1966	July 15, 1949	3
April 15, 1968	April 15, 1966	April 15, 1952	4
Oct. 1, 1968	Oct. 1, 1965	Oct. 1, 1947	2¾
July 15, 1969	July 15, 1966	July 15, 1953	4¼
July 15, 1969	July 15, 1966	July 15, 1953	4¼
Nov. 1, 1969	Nov. 1, 1967	Nov. 1, 1949	3
Jan. 1, 1970	.....	Jan. 1, 1930	4¾
April 1, 1970	April 1, 1968	April 1, 1950	3
May 15, 1971	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971	June 1, 1961	June 1, 1946	2¾
Sept. 1, 1972	Sept. 1, 1956(a)	Sept. 1, 1951	3¼
June 15, 1973	June 15, 1971	June 15, 1950	3
July 15, 1974	July 15, 1972	July 15, 1956	4
Oct. 15, 1974	Oct. 15, 1972	Oct. 15, 1956	4½
Feb. 1, 1975	Feb. 1, 1958	Feb. 1, 1953	3¼
Jan. 15, 1976	Jan. 15, 1974	Jan. 15, 1956	4
Mar. 1, 1977	Mar. 1, 1975	Mar. 1, 1955	3½
Nov. 1, 1978	Nov. 1, 1958(e)	Nov. 1, 1953	3⅝
May 15, 1979	May 15, 1974	May 15, 1954	3½
Oct. 15, 1979	Oct. 15, 1974	Oct. 15, 1954	3½
Mar. 15, 1980	Mar. 15, 1959(g)	Mar. 15, 1954	3⅞
May 15, 1981	May 15, 1961(h)	May 15, 1956	3⅞

Total funded debt (at par of exchange)

Summary of changes in funded debt

Outstanding at January 1, 1956

Less redemptions during year

Add new bond issues during year

Outstanding at December 31, 1956

Payable in the

Canadian

United States

Canadian, United States, or Sterling

(a) Callable at 101.

(b) Payable in U.S. funds.

(c) Payable in Canadian, U.S., or Sterling funds.

(d) Held by Province of Ontario and having terms identical with issues sold in the United States by the Province of Ontario, on behalf of the Commission.

(e) Callable at 102½.

(f) Callable at a premium of ¼% for each year or fraction thereof between call-date and maturity.

(g) Callable at 103 prior to March 15, 1961, at ½% less during each three-year period prior to March 15, 1976, and thereafter at par.

(h) Callable at 103½ prior to May 15, 1963, at ½% less during each three-year period prior to May 15, 1978, and thereafter at par.

COMMISSION OF ONTARIO

DECEMBER 31, 1956

by the Province of Ontario (except issues marked*)

Principal outstanding December 31, 1956

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
5,000,000	.....	5,000,000
6,162,300(c)	.....	6,162,300(c)
200,000	.....	200,000
100,000	.....	100,000
.....	7,200,000	7,200,000
4,000,000(b)	.....	4,000,000*(b) (d)
4,000,000(b)	.....	4,000,000*(b) (d)
4,000,000(b)	.....	4,000,000*(b) (d)
23,612,000	8,560,000	32,172,000
23,350,000	.....	23,350,000
4,000,000(b)	.....	4,000,000*(b) (d)
4,000,000(b)	.....	4,000,000*(b) (d)
13,365,000	1,500,000	14,865,000
26,189,000	13,620,000	39,809,000
13,250,000	.....	13,250,000
45,000,000	.....	45,000,000
12,405,000	2,500,000	14,905,000
24,000,000	6,000,000	30,000,000
47,975,000	2,000,000	49,975,000
39,550,000	.....	39,550,000
10,678,455	3,996,545	14,675,000
11,463,000	32,300,000	43,763,000
21,895,500	3,000,000	24,895,500
34,949,500	.....	34,949,500
37,000,000	6,300,000	43,300,000
49,948,000	.....	49,948,000
13,450,000	5,800,000	19,250,000
35,000,000	.....	35,000,000
25,000,000	.....	25,000,000
38,000,000	11,500,000	49,500,000
11,704,500	.....	11,704,500
48,500,000	5,300,000	53,800,000
47,000,000(b)	3,000,000	50,000,000*(b) (d)
13,910,000	4,290,000	18,200,000
44,000,000(b)	.....	44,000,000*(b) (d)
52,000,000	2,300,000	54,300,000
42,670,000	7,000,000	49,670,000
26,750,000	.....	26,750,000
49,000,000(b)	.....	49,000,000*(b) (d)
42,500,000	7,500,000	50,000,000
27,000,000	13,000,000	40,000,000
45,000,000(b)	5,000,000(b)	50,000,000*(b) (d)
31,500,000	3,500,000	35,000,000
41,975,000	8,000,000	49,975,000
30,000,000(b)	.....	30,000,000*(b) (d)
45,000,000(b)	5,000,000(b)	50,000,000*(b) (d)
1,176,052,255	168,166,545	1,344,218,800

during year ended December 31, 1956

\$1,008,894,000	\$149,910,000	\$1,158,804,000
15,841,745	3,743,455	19,585,200
\$ 993,052,255	\$146,166,545	\$1,139,218,800
183,000,000	22,000,000	205,000,000
\$1,176,052,255	\$168,166,545	\$1,344,218,800

following currencies:

\$ 889,889,955	\$155,166,545	\$1,045,056,500
280,000,000	13,000,000	293,000,000
6,162,300	.....	6,162,300
\$1,176,052,255	\$168,166,545	\$1,344,218,800

THE HYDRO-ELECTRIC POWER

ADVANCES FROM THE PROVINCE OF

Repayable to the Province in accordance with the terms of Province

Date of maturity	Description	Interest rate
		per cent
January 15, 1957.....	Serial bonds	4½
November 1, 1957.....	Serial bonds	4½
May 15, 1957-1968.....	Annuity bonds	4
May 15, 1957-1970.....	Annuity bonds	4½
January 15, 1957-1971.....	Annuity bonds	4½
June 1, 1957-1971.....	Annuity bonds	4
May 1, 1959.....	Bonds	5
December 2, 1960.....	Bonds	5

Total advances (at par of exchange)

Summary of changes in advances from Province

Balance of advances at January 1, 1956.....

Less repayments during year.....

Balance of advances at December 31, 1956.....

COMMISSION OF ONTARIO

ONTARIO AS AT DECEMBER 31, 1956

of Ontario bonds issued in part for the purposes of the Commission

Balance of advances outstanding December 31, 1956
(Payable in Canadian, United States, or Sterling funds)

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
190,230	45,685	235,915
335,231	39,833	375,064
5,723,844	386,583	6,110,427
4,827,067	1,169,828	5,996,895
2,676,963	657,574	3,334,537
3,409,733	1,258,343	4,668,076
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
<u>39,803,335</u>	<u>8,470,605</u>	<u>48,273,940</u>

of Ontario during year ended December 31, 1956

\$41,283,028	\$ 8,739,829	\$50,022,857
<u>1,479,693</u>	<u>269,224</u>	<u>1,748,917</u>
<u>\$39,803,335</u>	<u>\$ 8,470,605</u>	<u>\$48,273,940</u>

SECTION III

THE COMMISSION'S CUSTOMERS

DURING 1956 the Commission delivered a total of 27,006,092,990 kilowatt-hours in wholesale quantities. These were made available to 350 municipal electrical utilities, 29 local distribution systems, 206 direct industrial customers, and 105 operating areas in the rural power district. The utilities and local systems together received 48 per cent of the total, the direct industrial customers 44 per cent, and the rural power district 8 per cent. Included in the total were 3,772,880,532 kilowatt-hours of secondary energy delivered to direct industrial customers.



ELECTRICAL SUPPLY TO A MODERN FARM—Three centrally located transformers supply power to this large farm property in southern Ontario.

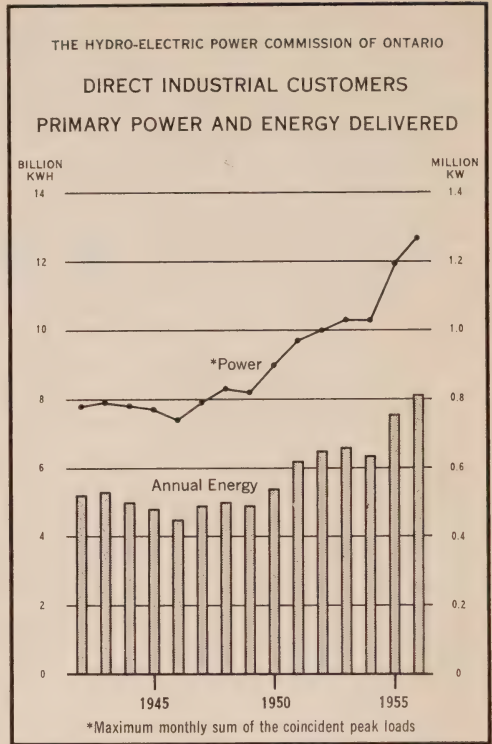
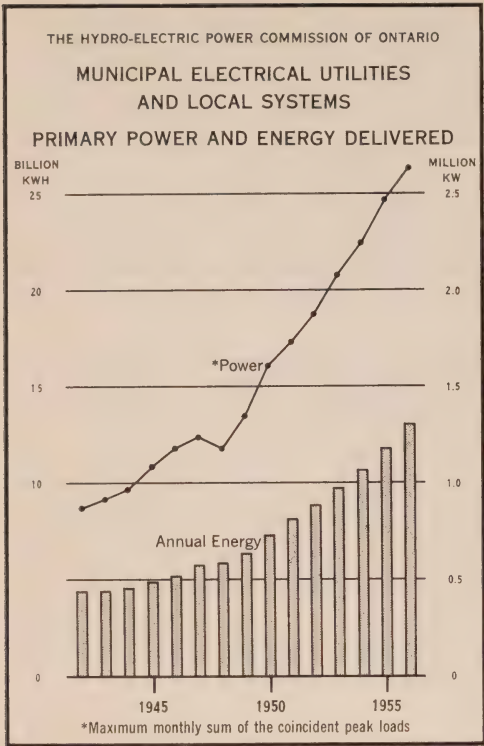
A table giving comparative figures for deliveries in wholesale quantities in 1955 and 1956 may be found by reference to page 201 in Appendix I—Operations. In general this section entitled "The Commission's Customers" is concerned with the wholesale aspect of the Commission's activity. That part entitled "Reports from the Regions" goes somewhat beyond the scope of wholesale activity to comment on some of the retailing utilities but the commentary is chiefly concerned with changes in facilities, changes which will enable the utilities as customers of the Commission to improve their service to their own customers. In these improvements the Commission frequently provides engineering assistance, and at the request of the utility may actually carry out the work involved.

The retail distribution of electricity carried out for the most part by these municipal utilities is reserved for commentary in Section VIII where relative statistical information is also provided. The more limited retail activity of the Commission through Commission-owned local systems is, for convenience, also dealt with in Section VIII. It is not convenient, however, to separate the wholesale and retail aspect of rural activities, both of which are undertaken by the Commission. Rural electrical service, therefore, is treated as a whole in a subsection of Section III so designated. Supporting statistical tables, the schedule of rates for the five main classes of rural service, and a brief description of each class of service may be found in Appendix III. Uniform rural rates apply throughout the Province for farm, hamlet, commercial, and summer services.

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

The number of municipal electrical utilities served by the Commission increased from 343 to 350 during 1956 when Ajax, Bracebridge, and the Townships of Atikokan, Sandwich East, and Sandwich West began taking power under cost contracts, and Coniston and Thessalon under fixed-rate contracts. All except Bracebridge, Coniston, and Thessalon had been previously served by the Commission either as local systems or through the facilities of the rural power district. A total of 332 municipal utilities were served under cost contract in 1956, 324 in the Southern Ontario System and 8 in the Northern Ontario Properties. Service to customers in Gogama, situated about 100 miles north of Sudbury, was provided through the facilities of a Commission-owned local system.

The municipal utilities are billed monthly at an interim rate per kilowatt of peak load. The monthly peak load for any given customer represents the maximum average demand over a period of twenty consecutive minutes in the month. This maximum is obtained by reading coincident values at all points of delivery. The monthly sum of the municipal maxima is usually greatest in the month of December, which in turn, at least for the Southern Ontario System, is generally the month of system peak. The municipal peak loads for December are therefore given for all municipal systems in the table of load statistics in Appendix I.



The sum of these loads in 1956 was 2,666,012 kilowatts, an increase of 7.8 per cent over the 2,472,887 kilowatts in 1955. The energy supplied to the municipal utilities and local systems in 1956 was 13,058,709,090 kilowatt-hours, an increase of 11.0 per cent over the energy supplied in 1955.

DIRECT INDUSTRIAL CUSTOMERS

The Commission supplies a number of industrial customers directly, some because their requirements for power exceed the capacity of the local supply facilities, others because they operate in areas beyond the orbit of municipal or rural facilities. A number of mining customers, for example, are located in unorganized townships of northern Ontario. During 1956 there was a net increase of 10 in the number of industrial customers served directly. Among the new customers served were five uranium mines, a construction materials manufacturer, a chemical company, and two large paper companies.

The sum of the coincident primary peak loads of the direct industrial customers reached its monthly maximum in December at 1,269,310 kilowatts. This represents an increase of 5.9 per cent over the September 1955 maximum of 1,198,156 kilowatts. The accompanying table analyzes peak and energy loads to these customers by types of industry. For this purpose the averages of the twelve monthly peak loads are used as a more reasonable measure of the year's

activity in a particular industry. The table indicates that primary energy delivered was up by 9.4 per cent over 1955 and amounted to 8,174,144,036 kilowatt-hours.

Primary Power and Energy Supplied to Direct Industrial Customers, By Types of Industry

Type of industry	Average of the monthly peak loads		Annual energy delivered		Increase or decrease
	1955	1956	1955	1956	
	kw	kw	kwh	kwh	per cent
Pulp and Paper.....	228,526	236,081	1,640,563,220	1,704,911,315	3.9
Mining:					
(a) Gold.....	86,055	85,458	598,244,997	575,907,284	3.7
(b) Silver and Cobalt.....	4,030	3,889	21,391,720	19,835,867	7.3
(c) Base Metals.....	178,473	211,436	1,198,813,752	1,459,623,851	21.8
(d) Uranium.....	1,621	10,230	8,107,387	58,737,254	....
(e) Non-Metals.....	4,050	5,609	21,469,675	26,238,479	22.2
Quarrying, Cement, and Basic Building Materials.....	27,378	32,018	176,184,808	198,373,667	12.7
Steel and Electro-Metallurgical.....	172,533	186,372	883,750,783	1,060,281,245	20.0
Abrasives.....	75,246	75,749	585,516,000	598,486,200	2.2
Chemical, Electro-Chemical, and Cyanamid.....	179,098	187,342	1,393,945,103	1,444,438,200	3.6
Grain Elevators and Milling.....	8,249	7,794	30,914,700	29,965,450	3.1
Transportation Services and Communications.....	3,738	5,019	18,058,839	27,052,453	49.8
Government Services and Institutions.....	23,926	24,938	102,652,732	109,240,886	6.4
General Manufacturing.....	79,156	85,511	372,313,235	407,881,951	9.6
Miscellaneous.....	62,033	64,052	418,185,874	453,169,934	8.4
Total.....	1,134,112	1,221,498	7,470,112,825	8,174,144,036	9.4

Of the four major energy-consuming industrial groups, the steel and electro-metallurgical group, as in 1955, showed the most marked proportional increase in consumption in 1956. A 20 per cent growth during the year marked a continuing rapid recovery from the low in 1954. The next largest increase, 15.8 per cent, was in the mining group as a whole, which continued to be the largest energy-consuming group among the Commission's customers. Base-metal mining is by a long way the largest component of this group, and taken alone, it replaced the chemical and electro-chemical industry in second place as the largest consumer of energy next to the pulp and paper industry. Together the mining, pulp and paper, chemical and electro-chemical, and steel and electro-metallurgical groups account for over 77 per cent of the total primary energy delivered to direct industrial customers in 1956, and for nearly 83 per cent of the increase during the year. Uranium mining, though representing a relatively small part of the total industrial energy consumption in 1956, showed substantial growth during the year and this growth is likely to be accelerated in the immediate future.

RURAL ELECTRICAL SERVICE

Service to rural customers in the Province was further extended and improved in 1956. There were increases in facilities, number of customers, consumption, and revenue, but the rate of growth is somewhat lower than in recent years. In the Southern Ontario System and the Northern Ontario Properties the rate of increase in miles of rural line continued to decline. The rate of increase in number of customers was somewhat more rapid but it too is declining

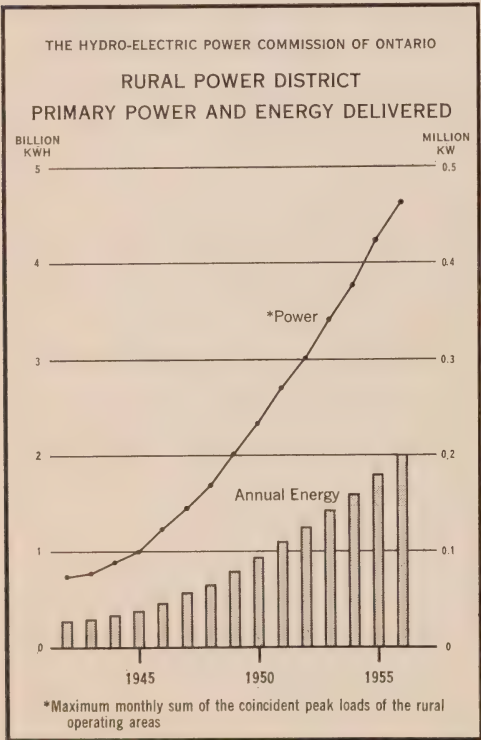
Rural Power District

NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1956

System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Com-mercial	Summer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Western.....	106.81	325	6,857	442	325	17	7,316
West Central.....	101.23	553	833	15	336	2	633
Niagara.....	18.31	6	1,209	164	68	16	1,463
Toronto.....	24.48	13	1,233	122	37	19	1,424
Georgian Bay.....	206.27	532	1,240	260	2,311	19	4,362
East Central.....	204.29	270	2,099	248	1,428	16	4,061
Eastern.....	193.90	623	1,607	152	566	18	2,966
Total.....	439.21	566	1,364	519	5,071	73	7,593
NORTHERN ONTARIO PROPERTIES							
Northeastern.....	172.74	95	1,886	372	542	21	2,916
Northwestern.....	28.75	20	465	81	177	7	710
Total.....	201.49	75	2,351	453	719	28	3,626
Total—All systems.....	640.70	641	3,715	972	5,790	101	11,219

Italic figures indicate decrease.

from year to year. Among the various classes of service the decline in rate of growth is less apparent for hamlet service, particularly in the Northern Ontario Properties, and least apparent for summer service.



The unqualified statistical summary is to some extent misleading since, for example, nearly half the 14,909 net increase in number of customers in six regions of the Southern Ontario System is offset by a net reduction of 7,316 in the Western Region. This net reduction, in turn, conceals the addition of nearly 3,400 customers in this region offset by a reduction of 10,690 customers when Sandwich East and Sandwich West Townships withdrew from the rural operating area upon their establishment as cost-contract municipal systems. This is only one of the more striking examples of changes which are continuously taking place across the Province as new municipal systems are established in areas formerly

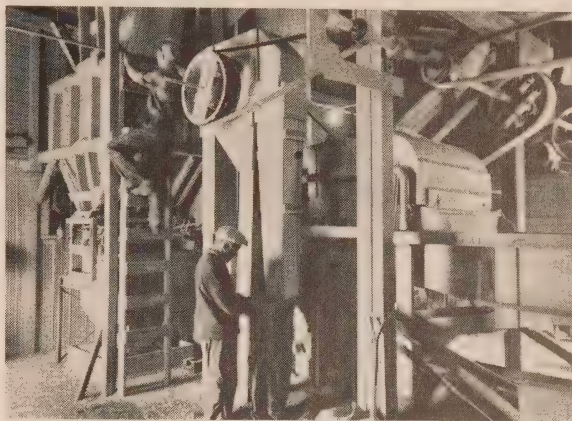
served by rural facilities, or as growing municipalities extend their boundaries by annexation. Even allowing for this shift from rural to municipal administration, there still continues to be a counter movement from urban to suburban and rural living, particularly where highway facilities are good. This movement is reflected in the changing proportion of farm and hamlet service customers in the rural operating areas. In 1950 these two types of service were approximately equal, each numbering about 39 per cent of total rural customers served. At the end of 1956 farm service customers represented only 33 per cent and hamlet service 42 per cent of the total, or 139,289 and 181,113 respectively.

Again the most substantial net increases both in rural line mileage and in the number of customers served took place in the Georgian Bay and East Central Regions. A large number of the new customers served in these regions were summer service customers, and in total this class of customer represents over half the net increase for the year, all systems. At the end of 1956 a total of 430,055 customers were being served over 44,492 miles of rural primary distribution lines.

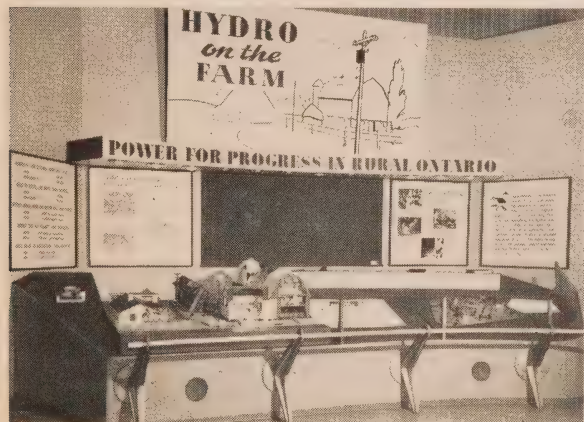
Load Growth

Total power supplied to the rural power district in 1956 showed an increase of 8.8 per cent over 1955, the maximum monthly sum of the coincident peak loads of the rural operating areas being 462,123 kilowatts as compared with 424,640 kilowatts in the previous year. Energy delivered to the areas rose from 1,794,943,826 kilowatt-hours in 1955 to

2,000,359,332 kilowatt-hours in 1956 for an increase of 11.4 per cent.



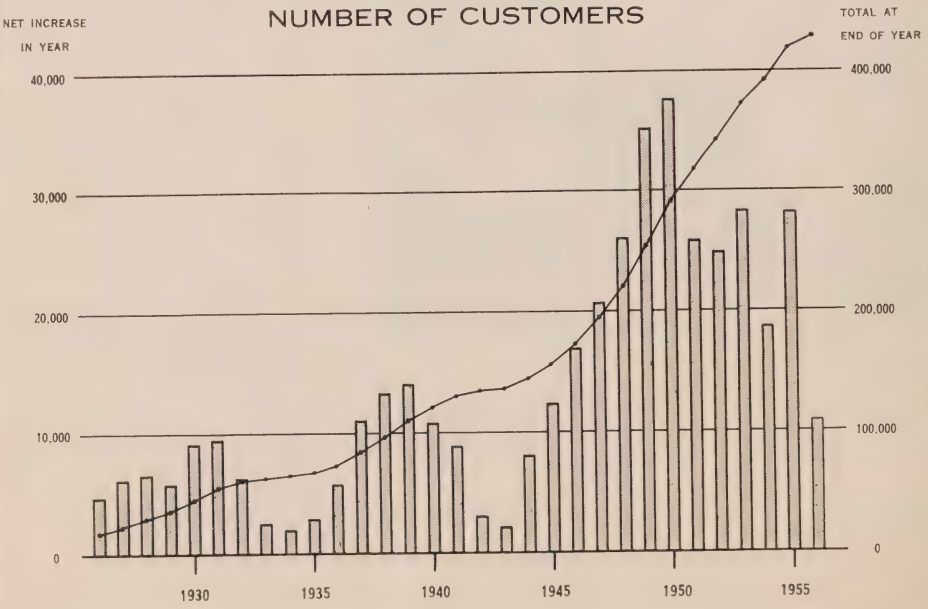
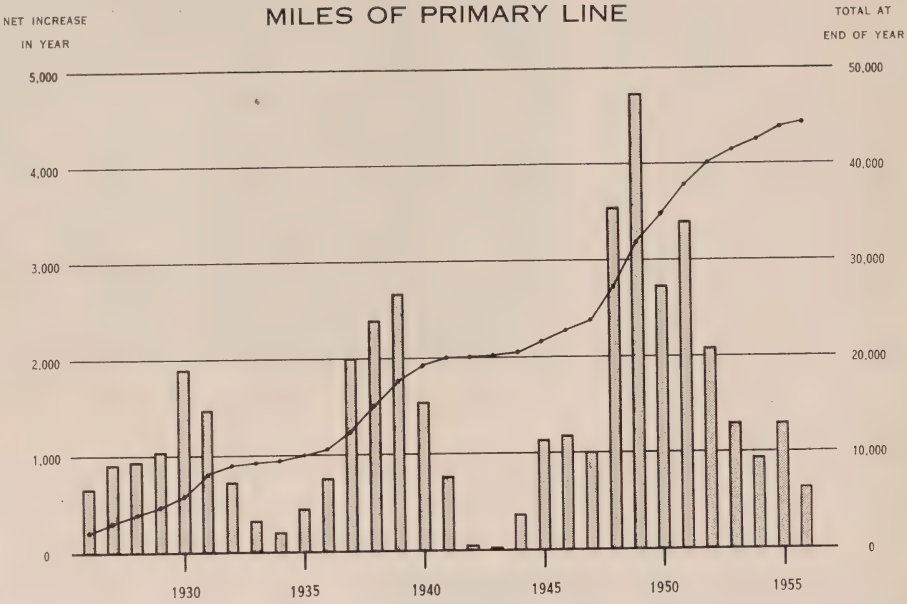
ELECTRICAL AIDS TO FARMERS—Electric motors provide power in the operation of corn-drying equipment.



The Commission's rural display at the Canadian National Exhibition in Toronto indicated the many ways in which electricity aids the farmer. The model, an accurate reproduction of an Ontario farm, incorporated a modern dairy barn and miniature machinery.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

RURAL POWER DISTRICT



All classes of rural service showed increases in consumption somewhat larger in proportion than the corresponding increases in number of customers. Average consumption per customer, therefore, rose for all classes, the most pronounced increases being in hamlet and power services. The total retail consumption, street lighting included, was 1,827,888,841 kilowatt-hours, an increase of 232,448,382 kilowatt-hours over the 1,595,440,459 kilowatt-hours supplied in 1955.

Of the five classes of service, power and hamlet service showed the largest per cent increase in revenues, 15.9 and 14.9 per cent respectively. The customer's average cost per kilowatt-hour declined for all classes.

Capital Investment

The net increase in the cost of rural distribution facilities amounted to \$12,055,039 during 1956, and in accordance with The Rural Hydro-Electric Distribution

Act, the Provincial Government contributed \$6,016,543 towards this cost. Of the total capital investment in rural distribution facilities at the end of the year amounting to \$210,087,606, the Provincial contribution had been \$104,725,238.



ELECTRICAL AIDS TO FARMERS—Grain is carried by an electric elevator to the thresher.

REPORTS FROM THE REGIONS AND SERVICES TO CUSTOMERS

A regional office is located in each of the nine regions of the Province in order to administer the affairs of the Commission effectively and to bring the public into close touch with its staff. These offices are located in the following municipalities: London, Hamilton, Niagara Falls, Toronto, Barrie, Belleville, Ottawa, North Bay, and Port Arthur. The regional manager and his staff, which includes representatives of the appropriate divisions of the Head Office organization, are responsible within the region for the day-to-day activities of the Commission.

The 12.0 per cent increase in the Commission's sales of energy in wholesale quantities is a reflection of the general growth in demands of retail customers throughout the Province. The requirements of these ultimate customers, whether supplied by distribution facilities of the Commission or the municipal utilities, in turn reflect the rapid economic development and industrial expansion that is taking place over a wide area. New capital investment in factories, machinery, and other private and public physical assets was greater in 1956

than in 1955 by 25 per cent, while the population of the Province continued to increase at an average annual rate of 3.3 per cent, which is well above the rate for the rest of Canada. Construction, manufacturing, mining, agriculture, and pulp and paper production showed substantial advances during 1956 and all are reflected by the economic barometer of demands for power. Increasing demands for power, in turn, have required extensive distribution system construction on the part of the municipal utilities.

A variety of services are made available to the utilities and to other Commission customers through the Commission's staff both in the regional offices and at Head Office. Some of these services are discussed on pages 49 and 50. The regional staffs are in a position to render prompt assistance when required. Like the Head Office staff they co-operate closely with the municipal utilities and when required give advice and assistance to them in their engineering and administrative problems.

WESTERN REGION

At Windsor a new 9,000-kva-capacity substation was completed to meet load growth, and two other similar substations were under construction. In the Sarnia area, municipal growth reflects large development programs on the part of oil and chemical companies. Studies of future load conditions were carried out in order to determine the requirements of municipal facilities there. In 1956 a new municipal substation of 2,000-kva capacity was placed in service. Municipal substations were also placed in service in London, St. Thomas, and Tilbury.

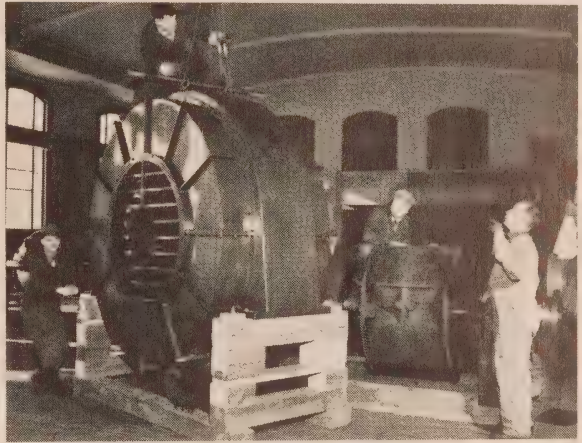
Improvements to distribution and administrative facilities were made during the year by many municipalities. In London approximately 2 miles of underground 13.2-kv feeder cable was installed, which completed a 500-mcm loop feeder from Highbury Transformer Station through the eastern industrial section of the city to a municipal substation. This installation increased the total length of the utility's underground 13.2-kv feeder lines to some 82 miles. Six new underground feeder cables were also installed at the Mill Street substation in Ingersoll. Improvements were made similarly to street-lighting systems in Ingersoll, La Salle, and also in Windsor where a ten-year program of rehabilitation was begun. New administrative offices were provided in Point Edward and Tillsonburg. In Tillsonburg a separate service centre with 5,500 square feet of floor area was under construction at the end of the year.

Frequency standardization in municipal areas made rapid progress in 1956. By the end of the year operations were completed in Kent County and almost completed in Elgin County, and the equipment of customers in eighteen municipalities, including those in St. Thomas and Chatham, had been standardized.

The Townships of Sandwich East and Sandwich West purchased from the Commission those facilities by which they were served as part of the rural power district and entered into agreements for a supply of power at cost from the Commission.

WEST CENTRAL REGION

General improvements to municipal electrical systems were carried out in most municipalities in the region during the year. Expenditures were made on new lines and facilities in Blyth, Clifford, Dublin, and Harriston. A new office building for the municipal utility was being constructed in Brantford and a new garage and stores building in Seaforth. Street lighting, particularly in the business sections, was modernized in Dublin, Galt, Hamilton, Milverton, Paris, Preston, St. Mary's, and Simcoe. In Galt also a new 4-kv line, about 4,000 feet long, was built to serve a new industrial area. New distribution facilities were erected in six new residential subdivisions there. In Simcoe construction was begun on a third municipal substation to provide 60-cycle facilities in advance of frequency standardization. Two new 3,000-kva substations were installed in Kitchener and at the same time more than 12,000 feet of extensions were added to primary and secondary lines. Municipal distribution facilities were extended in Burlington when the municipality purchased the Commission's 3,000-kva distributing station. New customer-owned substations were also placed in service in Dundas and Preston.



FREQUENCY STANDARDIZATION—A 1,700-horsepower motor is prepared for shipment from this pumping station to the workshop where it will be rewound for use at 60 cycles.

Much of the municipal electrical system rebuilding and rehabilitation was carried out preparatory to, or in association with frequency standardization. In Hamilton, where large-scale standardization operations were in progress, six temporary 13.8—4.16-kv substations were placed in service to expedite the standardization program. At the same time those sections of Hamilton previously supplied at 2.3 kv were changed over to a 2.3/4.16-kv supply. This change, particularly in the sections of the city served by means of underground cables, required new cables suitable for the higher distribution voltage. In addition all the 2.3-kv oil circuit-breakers at the Hughson municipal substation were replaced in order to obtain higher interrupting capacity.

During the year the number of customers served by several municipalities was increased through annexations of nearby rural areas. Thus in Hamilton and Simcoe, 815 and 104 customers respectively were transferred from distribution systems of rural operating areas to the systems of these municipalities.

Previous to 1956 only part of Brantford Township was served under cost contract as a voted area. In May, following a vote of all ratepayers in the township, the Brantford Township Hydro-Electric Commission purchased from the

Provincial Commission all the rural distribution facilities within the township and correspondingly increased its contract for the supply of power at cost. This involved the transfer of 1,552 customers and 150 miles of rural primary line from Brantford and Dundas rural operating areas.

NIAGARA REGION

During 1956 municipal substation capacity was increased at Grimsby, Niagara Falls, Port Colborne, and Welland. At Port Colborne a 6,000-kva substation was placed in service and a second altered for operation at 60 cycles. At Niagara Falls two new customer-owned substations were placed in service. Additional fluorescent street-lighting units also were installed. Work began in St. Catharines on the construction of a new substation and the installation of an underground network to supply the commercial section of the city.

Frequency standardization was carried out in municipalities under the direction of the regional office. Standardization of customers' equipment was completed in Dunnville and Welland and municipal facilities there were altered for operation at 60 cycles.

TORONTO REGION

In the Toronto Region where population and economic changes during 1956 were most marked, municipalities built new lines and facilities to meet greater power demands than in previous years.



FREQUENCY STANDARDIZATION—Overhead lines in Metropolitan Toronto are changed over for the supply of 60-cycle power.

The number of new customers requiring service from municipal utilities increased considerably over last year. In Scarborough Township alone there was a net increase of nearly 6,100 in the number of customers served. Five of these were power service customers requiring power at 27.6 kv. Three other customers in the township were transferred to supply at 27.6 kv because of increased loads. The number of customers in North York Township similarly increased by 5,400 during the year, in Etobicoke Township by 3,700, and in Richmond Hill by 751.

To supply the needs of these new customers and to meet increased loads, a number of municipal substations were required.

In the Townships of Etobicoke, North York, and Toronto, and in Port Credit and Toronto new substations were built which varied in capacity from 4,000 kva

to 20,000 kva. The majority of these substations were designed in keeping with their surroundings and most were of the modern bungalow type.

In Toronto two new 4-kv substations, each with an ultimate capacity of 20,000 kva, were placed in service. Construction of four additional 4-kv substations was started during the year and tenders were called for the construction of a fifth. In the course of the year just over 30 miles of 13.2-kv power cable were installed for network primary feeder lines and for supply to municipal 4-kv substations, a new substation of the Toronto Transit Commission, and nine other large power service customers.

Nine supply sources of 60-cycle power were available to Toronto with the placing in service of the Commission's Toronto-Glengrove Transformer Station. The 115-kv underground cables to this station from Toronto-Leaside Transformer Station were installed in the present conduits between them. A building under construction to house the new 13.2-kv switchgear at Toronto-Strachan Transformer Station was completed and two of the 40,000-kva switchgear units were placed in partial operation.

During the year the remainder of the 25-cycle low-voltage network serving the downtown commercial area was standardized at 60 cycles and extensive increases were made in transformer capacity and in underground equipment to supply additional load in the area. Frequency standardization operations continued in the west central part of the city. The 60-cycle peak demand of the municipal system increased by 75,600 kilowatts to 356,100 kilowatts during the year, and the combined 25- and 60-cycle peak load supplied to the system was 538,313 kilowatts, an increase of 13,071 kilowatts over that of 1955.

The extension of municipal electrical facilities included also extensions and changes to administrative quarters. In New Toronto and Oakville new garage and stores accommodation was provided. A new modern office building at Georgetown with garage and stores facilities was also completed during the year.

GEORGIAN BAY REGION

Municipal load demands during 1956 reflected in general the increase in power requirements experienced throughout the Province. Proportional increases were even more pronounced in the rural areas of the region where growth in consumption was particularly high for power, hamlet, and summer service customers. Many of the smaller municipal utilities, as well as the utilities in the larger municipal centres, met such increased loads by carrying out improvements and extensions to their distribution systems. Additional substation capacity was provided at Alliston, Gravenhurst, and Orangeville during the year. At Barrie and Parry Sound the installation of new 3,000-kva municipal substations was necessary to provide service to customers. Changes in voltage were made at Holstein and Orillia in order to improve service. At Holstein the distribution system voltage was altered from 4,000 volts to 4,800/8,320 volts. At Orillia the supply from the utility's Swift Generating Station was changed from 22 kv

to 44 kv. Extensive rehabilitation of the distributing system in Teeswater was completed during 1956 and modern street lighting was installed in the business section.

On January 1, 1956 power was first supplied to a new 3,000-kva substation at Bracebridge under a cost agreement with the Provincial Commission.

EAST CENTRAL REGION

Typical of the wide diversity of the East Central Region are first the two large industrial communities, Oshawa at the southwest extremity and Kingston at the southeast; second the rural areas of Durham, Northumberland, and Prince Edward Counties; and third the rocky Haliburton Highlands, famous now both as a holiday resort and as a centre of mining activity.

Those municipalities in the region most directly affected by a lengthy work stoppage in the automotive industry showed remarkable resilience with the return to normal operations in mid-February. In the Bancroft area the loads of two mining customers of the Commission increased substantially, one to three times and the other to six times the level at the beginning of 1956. Other mines are being developed. In conjunction with increasing summer service loads, service to these customers is requiring some expansion of 44-kv facilities. New industrial loads associated with refining uranium and processing it for nuclear operations are developing in Port Hope.

The town of Ajax purchased the local distribution system from the Commission and on May 1, 1956 began to take power under a cost-contract agreement. Following annexation of adjoining areas, the local utility in the village of Bancroft is increasing the area it serves to some ten times its former size. In Oshawa an extensive shopping centre of interesting modern design was opened towards the end of the year. It is served by a completely underground distribution system from a 3,000-kva, 44—4.16-kv municipal substation. Two more 3,000-kva stations were placed in service in Oshawa in 1956, one constructed by the local commission and the other by one of its large power service customers.

New municipal substations, also of 3,000-kva capacity, were established in other municipalities—two in Kingston, one in Cobourg, and one in Lindsay—and a municipal substation in Peterborough was increased in capacity from 750 kva to 3,000 kva. A 44-kv line was constructed in anticipation of the transfer in Trenton of additional load from the 6,600-volt system to the 44,000-volt system. The village of Bloomfield, at present supplied by a temporary rural station, will shortly be supplied at 44 kv from a 750-kva municipal substation recently completed.

Major distribution system rehabilitation and street-lighting improvement were carried out in Madoc and modernization in street lighting was effected in Whitby where the system was completely changed to multiple operation. In Bath approximately one mile of three-phase 8-kv distribution feeder was completed to facilitate a change in direction of power supply to the town. In Marmora new warehouse facilities for the municipal commission were completed.

EASTERN REGION

The St. Lawrence Power Project has had a stimulating effect on demands for goods and services in the region. In order to meet power requirements arising out of the general economic well-being, municipalities extended and improved their distribution facilities.

New 3,000-kva substations were placed in service at Brockville and Morrisburg during the year. At Ottawa a total of 26,000 kva in new substation capacity was added and a total distribution transformer capacity of 21,600 kva was installed to meet load growth on the existing facilities. At Hawkesbury improvements, which included the installation of metal-clad switchgear and underground feeder lines, were made to the municipal 3,000-kva substation. Construction of the distribution system for the relocated village of Iroquois was completed. Modern street-lighting units were installed at Barry's Bay, Kemptville, L'Orignal, Ottawa, and Russell. In addition, at Barry's Bay and L'Orignal a rebuilding and rehabilitation program was carried out. Arnprior and Smith's Falls purchased those sections of the Commission's rural distribution facilities within the adjacent areas recently annexed by the municipalities. Ratepayers in Chalk River voted to enter into a cost-contract agreement with the Provincial Commission for a supply of power beginning January 1, 1957.



ST. LAWRENCE POWER PROJECT — This view of the powerhouse site from the Canadian shore shows some of the extensive excavation and concrete-placing operations carried out in 1956. In the right foreground, conveyors bring fresh concrete to accessible points. Trains then carry buckets of concrete to three huge travelling gantry-cranes which lift them to waiting formwork. By the end of December 1956, a total of 405,000 cubic yards of concrete had been placed.

NORTHEASTERN REGION

The increasing industrial activity, especially in manufacturing and mining, enlarged considerably the demands placed upon distribution facilities in the region. As a result many of the municipalities undertook to extend and improve their services. At Cochrane, Kapuskasing, and North Bay work was already begun. At Blind River, where recent mining developments are centred, the Commission made improvements to the local distribution system and additional work is planned for 1957. New distribution facilities were required at Capreol to serve homes in a newly constructed subdivision. Similarly improvements to distribution systems were carried out at Coniston, New Liskeard, Sudbury, and Thessalon. Improvements at Sudbury also included the construction of a large new Hydro-Electric Commission office building. Coniston and Thessalon, which were formerly supplied by private companies, took power from the Commission under fixed-rate contracts for the first time in 1956. Preliminary survey work with regard to frequency standardization at 60 cycles of customers' equipment was carried out in Timmins.

NORTHWESTERN REGION

The number of municipal utilities served under cost contracts in the Northwestern Region was increased to eight when Atikokan Township became a cost-contract customer of the Commission effective January 1, 1956. This municipality was formerly supplied through a Commission-owned local system. The eight cost-contract utilities in the region at December 31, 1956 were serving just over 29,000 domestic, commercial, and power service customers.



The new administration building of the Sudbury Hydro-Electric Commission



The new Northeastern Regional office building at North Bay

Facilities in most municipalities required extensions during 1956. At Dryden distribution feeder lines were extended to supply power to a new hospital. A new 4,000-kva substation was installed at Port Arthur to meet demands from a number of large commercial centres in the city. Changes in street-lighting systems were made in Fort William, Schreiber, and Terrace Bay. At Red Rock and Sioux Lookout work continued on the rehabilitation of the distribution systems. The work of improving service conditions continued throughout the year and reflected the high level of economic activity within the region.

SERVICES TO CUSTOMERS

Industrial Surveys and Lighting Service

During 1956 the Commission undertook 78 power-factor surveys in plants served either by the Commission or by its associated municipal utilities. As a result, recommendations were made for the installation of a total of 6,400 kva of capacitors which, by raising the power factor of the customer's equipment, would increase its efficiency. Customers benefit from such installations in improved economy of operation, and the utility, in turn, benefits from more efficient operation of the power system.

As a service to customers of the municipal utilities and in the rural areas, plans and specifications were prepared for 306 lighting installations. These installations are designed by specialists in this field with the purpose of providing improved lighting in schools, offices, industrial installations, and other public

places. About one-third of these were undertaken on behalf of the Department of Education of Ontario for school lighting.

Electrical Inspection

Under The Power Commission Act, the Commission establishes standards governing electrical installations and equipment and provides inspection to ensure the observance of these standards. A high level of inspection activity in 1956 reflected a continuing large volume of construction.

Under Provincial legislation as amended in 1956, representatives of the Fire Marshal of Ontario have authority to require owners or tenants of buildings to have their electrical installations inspected by the Commission's Inspection Department. At the Fire Marshal's direction, and with the active participation of members of the Commission's inspection staff, a series of two-day sessions was held throughout the Province for the purpose of acquainting these representatives with the characteristics of serious electrical hazards.



ELECTRICAL SAFETY IN THE HOME—Provincial regulations applicable to residential electrical installations are explained by a Commission lecturer.

SECTION IV

FREQUENCY STANDARDIZATION

FOLLOWING the acceleration of frequency standardization operations in 1955, the pace of the program was again increased during 1956. In some areas there were increases in the number of items standardized ranging up to more than 30 per cent over 1955 levels. By the end of the year the equipment of about 75 per cent of the estimated total number of customers in the program had been standardized. Work at the accelerated rate will be continued and extended in 1957. With due allowance for such changes in total as may occur in the next two years, it is now expected that the whole program in the Southern Ontario System will be finished in the summer of 1959. The program will thus be completed in something like two years less than the time originally allowed. This advancement of the date of completion may be a factor in offsetting, at least to some extent, the seemingly continuous rise in the cost of labour and materials.



Electric motors and other frequency-sensitive parts are stocked in large quantities in warehouses at the A. W. Manby Service Centre.

Progress in Standardizing Customer Equipment

Standardization was carried out during the year in four main areas—Chatham-St. Thomas, Hamilton, Toronto, and the Niagara Region. In the first two areas work was nearing completion at the end of the year and operations in the other two areas were well advanced. The experience during 1956 indicates that domestic customers are continuing to extend their use of electrical appliances.

In one community an average of six frequency-sensitive items were changed over for every domestic customer whose equipment was standardized during the year. The general average at the end of the year was nearly five. This is exclusive of all the clocks, fans, and other small appliances exchanged at the Commission's clock and fan depots. As the area of the 25-cycle island is reduced, there is a decline in demand for dual-frequency equipment. In 1956 the decline in total amounted to 30 per cent. As a result the production of several items of this type was discontinued by some manufacturers.



PROGRESS OF FREQUENCY STANDARDIZATION IN THE SOUTHERN ONTARIO SYSTEM—as at December 31, 1956. The shaded part of the map indicates the extent to which the four regions constituting the former 25-cycle area have been standardized at 60 cycles. In a number of municipalities, designated by a square symbol on the map, power was available at both frequencies.

The accompanying map showing progress of the work indicates the relatively small area left to be standardized. This area is now only about 3,000 square miles in extent, about one-quarter the original area to be standardized. The cities of Chatham, St. Thomas, and Welland were among the municipalities standardized during 1956. Work was nearing completion at the end of the year in the city of Hamilton, the second largest municipality in the former 25-cycle area. By the end of 1956 the work of standardization had been completed for 146 municipal electrical utilities and local systems and was finished in part in 8 others. Work was finished in 35 rural operating areas and finished in part in 5 others. The amount of power generated to meet the 60-cycle peak load in the former 25-cycle area of the Southern Ontario System increased during 1956 by approximately 431,000 kilowatts.

Standardization operations in 1956 were carried out from bases established in Chatham, St. Thomas, and Hamilton, and at A. W. Manby Service Centre near Toronto. Work in the Niagara Region was carried out by local dealers and contractors under the supervision of the Regional Office. Preparations were being made for new bases for operations in Brantford, Simcoe, and the

surrounding areas. The table relating to services and equipment records the standardization of 130,894 services, an increase of 29.4 per cent over the corresponding total in 1955. With the reduction in the 25-cycle area the number of standardization operations associated with customer moves declined.

**PROGRESS OF FREQUENCY STANDARDIZATION
BY CLASSES OF SERVICE**

Class of service	Services standardized		Customer moves		Frequency-sensitive items standardized	
	During 1956	Total to Dec. 31, 1956	During 1956	Total to Dec. 31, 1956	During 1956	Total to Dec. 31, 1956
Domestic.....	111,316	578,239	23,038	115,937	577,959	2,915,252
Commercial.....	16,989	64,699	665	2,005	220,840	707,428
Power.....	2,589	10,685	98	390	103,633	687,099
Total standardized, all classes.....	130,894	653,623	23,801	118,332	902,432	4,309,779
Miscellaneous—Clocks, fans, and small items exchanged.....					169,661	702,056

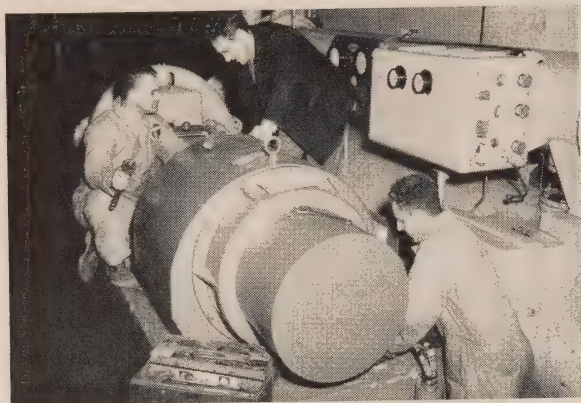
There was further evidence of the acceleration in the program in the standardization of a total of 90,896 items at the Meter Shop at A. W. Manby Service Centre. This total represents a 22 per cent increase over corresponding work in 1955. The items included single-phase watt-hour meters, power meters, and special meters and relays. A considerable amount of inspection, repair, and adjustment work was also carried out at the Meter Shop, much of it on behalf of the municipal utilities.

Improved Techniques and Procedures

Studies continue to be directed towards the improvement of techniques and the reduction of standardization costs. One of the most rewarding of these studies has been that related to refrigerator standardization. It has resulted in a continuous increase in the proportion of refrigerators which can be standardized by the replacement of the motor compressor only. This method was applied to some 30,000 refrigerators in 1956 with resulting economies estimated at \$1,350,000. By the year end 65 per cent of the refrigerators being standardized were treated in this way. In co-operation with manufacturers, studies are continuing in the effort to still further extend the use of this method to other makes of refrigerator and to increase the use of salvaged compressors which may be adapted for 60-cycle operation.

Many new designs and specifications were prepared for the rewinding of single-phase and three-phase motors for 60-cycle operation. Such rewind motors were used in standardization operations in 1956 to replace about 78 per cent of the connected horsepower of the 25-cycle industrial motors and about a quarter of the motors for appliances of domestic and commercial customers. Of the rewind motors so used, over 65 per cent had been rewind in the Commission's Service Shop at A. W. Manby Service Centre. Other salvaged components of frequency-sensitive equipment numbering in total 15,844 pieces

were also reworked or modified for 60-cycle use, 5,413 of them in the Service Shop. Upwards of 3,000 loans were made of salvaged 25-cycle motors to commercial and power service customers.



Air-conditioning equipment undergoing standardization. Technicians install a 200-horsepower 60-cycle motor.

These loans enable customers to take care of load growth or motor replacements until equipment can conveniently be installed at 60 cycles. The Commission thereby benefits by the consequent reduction in the amount of equipment to be standardized.

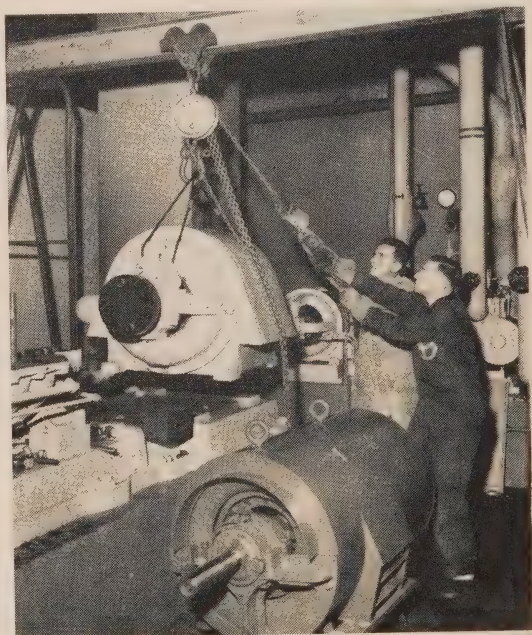
Salvage items which do not lend themselves to satisfactory or economical adaptation for 60-cycle operation are suitably disposed of. Nearly 8,000 salvaged 25-cycle motors of types not available in dual-frequency models were reconditioned and sold, a large number of them to manufacturers of washing machines. The manufacture of new 25-cycle motors is thus restricted to some extent. Over 5,400 tons of scrap metal were reclaimed from discarded equipment, and sold.

Standardization in the Northern Ontario Properties

During the year the decision was made to extend frequency standardization to 25-cycle areas in the North-eastern Region. Operations scheduled to be carried out during 1958 will include some 18,800 customers, a large proportion of them being concentrated in the Timmins area.

Standardization of Power Facilities

Standardization of power facilities was carried out in accordance with the requirements of the program. Units No. 9 and 10 at Sir Adam Beck-Niagara Generating Station No. 1 were returned to service in 1956 after standardization at 60 cycles. Plans were developed for the progressive standardization of the 25-cycle generating equipment of the Commission's Quebec suppliers and work is scheduled to begin at Beauharnois Generating Station early in 1957.

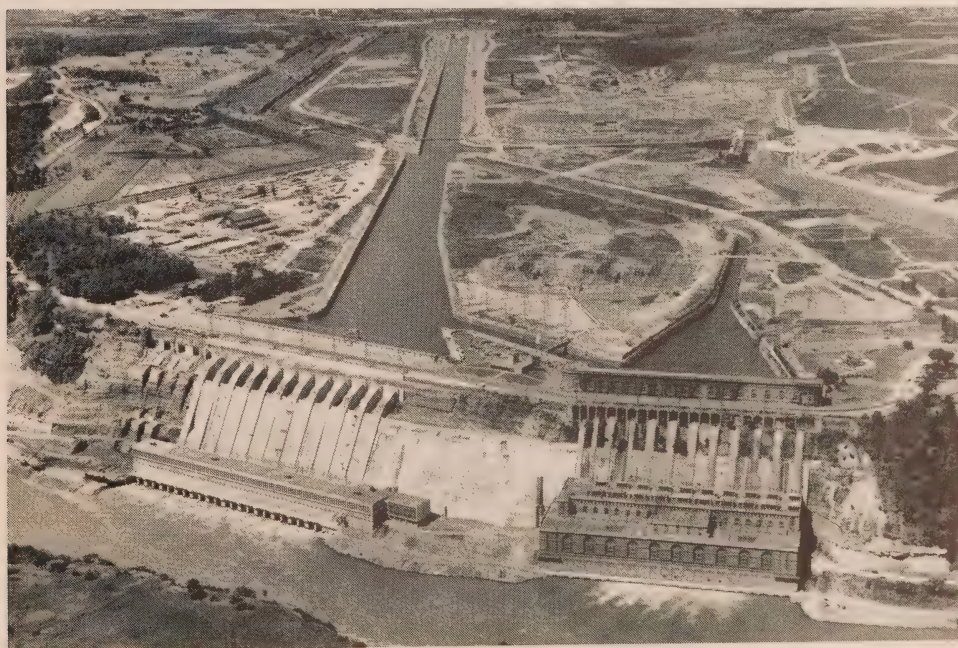


A 25-cycle motor, used to operate a high-pressure water-pump, is removed by technicians for frequency standardization. The unit was replaced by a special 250-horsepower 60-cycle motor.

SECTION V

PLANNING, ENGINEERING, AND CONSTRUCTION

MAJOR construction work for new generating facilities was carried out during 1956 at two hydraulic sites in the Southern Ontario System and at three in the Northwestern Division. Extensions are being carried out at two other hydraulic sites in the Northwestern Division and towards the end of 1956 a beginning was made on the proposed enlargement of Richard L. Hearn Generating Station in Toronto to three times its present size. For the present, and for



SIR ADAM BECK-NIAGARA GENERATING STATIONS—The two stations on the Niagara River share a common forebay and switchyard. Behind them stretches the canal system which carries water to the generating units of both powerhouses and to the pumping-generating station. Excavation for the additional four units at No. 2 station can be seen at the left. In the background, right, the pumping-generating station and part of the reservoir dike are visible.

**Summary of Ontario Hydro's Power Development Program—1945-1960
as at December 31, 1956**

<i>System and Development</i>	<i>In service</i>	<i>Dependable peak capacity</i>
SOUTHERN ONTARIO SYSTEM		<i>kw</i>
DeCew Falls (extension)—Niagara Region.....	1947	57,000
Stewartville—Madawaska River.....	1948	63,000
Polymer Corporation (Additional power purchase contract).....	1948	22,000
Emergency thermal-electric units.....	1949—1950	**
Des Joachims—Ottawa River.....	1950—1951	372,000
Chenault—Ottawa River.....	1950—1951	117,000
Richard L. Hearn—Toronto..... (4 units)	1951—1953	400,000*
..... (4 units)	1958—1960	800,000*
J. Clark Keith—Windsor.....	1951—1953	264,000*
Otto Holden—Ottawa River.....	1952—1953	210,000
Sir Adam Beck—Niagara No. 2—Niagara River		
..... (12 units)	1954—1955	900,000*
..... (4 units)	1957—1958	300,000*
Pumping-Generating Station (6 units)	1957—1958	170,000*
Robert H. Saunders—St. Lawrence—		
St. Lawrence River..... (16 units)	1958—1960	820,000*
Nuclear Power Demonstration—near Des Joachims		
Generating Station.....	1959	20,000*
NORTHERN ONTARIO PROPERTIES		
NORTHEASTERN DIVISION		
George W. Rayner—Mississagi River.....	1950	47,000
NORTHWESTERN DIVISION		
Ear Falls (extension)—English River.....	1948	6,000
Aguasabon—Aguasabon River.....	1948	44,000
Pine Portage—Nipigon River.....	1950—1954	119,200
Manitou Falls—English River..... (4 units)	1956	65,700
..... (1 unit)	1958	
Caribou Falls—English River..... (3 units)	1958	67,500
Whitedog Falls—Winnipeg River..... (3 units)	1958	54,000
Cameron Falls (extension)—Nipigon River (1 unit)	1958	19,100
Alexander (extension)—Nipigon River.... (1 unit)	1958	11,300

*Installed capacity.

**With the dismantling in early 1956 of the 20,000-kilowatt Scarborough Generating Station, only the Steel Company of Canada station in Hamilton remains of the emergency thermal-electric stations brought into service during the period January 1949 to April 1950.

the immediate future, attention is focussed principally on the Sir Adam Beck-Niagara Generating Station No. 2 and the St. Lawrence Power Project, which are scheduled respectively for completion and for initial operation in 1958. The problems raised by the rapid growth in loads in the Northwestern Division are being met by a vigorous program of construction. For the long term, however, the smaller hydraulic sites at present under construction or planned for future development are subordinate in interest to programs and plans for the development of additional thermal-electric power.

For the past fifty years the Commission has concentrated upon the development of the water resources of Ontario. The "white coal" of falling waters has been a prime asset contributing to the economic growth of the Province. With the completion of the present Niagara and St. Lawrence projects the last major hydraulic site available in southern Ontario will have been developed. The remaining hydraulic sites in the north, even when economic for development,

**Expenditures on Capital Construction
By Fiscal Years 1946-1956**

	Genera- tion	Transfor- mation	Trans- mission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
*1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,628	23,033	4,534	162,831
1953.....	117,311	21,711	15,444	24,402	4,767	183,635
1954.....	76,649	15,360	16,091	20,133	4,585	132,818
1955.....	68,483	12,624	10,823	18,961	3,681	114,572
1956.....	128,245	13,464	11,424	17,244	2,626	173,003
Total 1946-56.....	822,753	185,063	165,944	194,974	40,439	1,409,173

*14-month fiscal period

are generally not large. The largest would represent about one-quarter of the increase in power requirements experienced by the Commission in 1956. Increases of this magnitude indicate most emphatically that thermal-electric resources must be developed. What proportion of these are to be of the conventional type, and what proportion nuclear, need not be firmly established at this stage. The location of the stations will be determined by the concentration of load, the availability of facilities for fuel handling, and other factors affecting plant operations. Studies have indicated that 1,200,000 kilowatts can be advantageously developed at Richard L. Hearn Generating Station in Toronto. Studies with regard to future thermal-electric stations elsewhere in the Province have reached the engineering stage.

Thus, with respect to power generation, engineering within the Commission must undergo from now on a gradual transition from predominantly hydraulic to predominantly thermal. The increasing dependence upon fuels and the growing importance of other factors related to thermal-electric operations provide a sharp contrast with the Commission's experience throughout most of its first half century.

Planning for Transformation and Transmission Facilities

In addition to plans for the development of new generating facilities, extensive changes and additions are being projected for transformation and transmission facilities. With the decline of 25-cycle load and the rapid growth of 60-cycle load as frequency standardization progresses, major changes are being made at a number of transformer stations in the West Central, Niagara, and Toronto Regions. The decision to standardize at 60-cycle frequency municipal and rural loads in the Northeastern Region will require the construction of some 70 miles of 115-kv transmission line and a new transformer station at Timmins. Among the more important of the new facilities to be added are first, lines related to the St. Lawrence Power Project—a 230-kv interconnection with the Power Authority of the State of New York, the 230-kv circuits from St. Lawrence Transformer Station to a new terminal station in the Ottawa area, and from

St. Lawrence Transformer Station westward to Ross L. Dobbin Transformer Station and to a new transformer station in the Kingston area; second, a tentative proposal for the extension of 230-kv transmission from E. V. Buchanan Transformer Station to the Sarnia area where the expansion of the petrochemical industry has required major changes in power supply facilities; and third, the construction of a new 230-kv line extending some 200 miles from Otto Holden Generating Station to Blind River Transformer Station for the supply of mining loads in the Blind River area.

Total Mileage of Transmission Lines and Circuits

Voltage and Structure	Line route or structure miles		Circuit miles	
	At Dec. 31, 1955	At Dec. 31, 1956	At Dec. 31, 1955	At Dec. 31, 1956
SOUTHERN ONTARIO SYSTEM				
230,000-volt.....steel tower.....	2,535.71	2,557.17	3,099.98	3,144.65
115,000-volt.....steel tower.....	1,547.46	1,555.10	2,384.84	2,398.56
115,000-volt.....wood pole.....	925.73	934.28	929.90	938.89
115,000-volt.....underground cable.....	6.01	13.15	10.93	23.83
60,000-volt.....steel tower.....	11.17	11.17	12.30	12.30
60,000-volt.....wood pole.....	2.66	2.66	2.66	2.66
44,000-volt and less. wood and steel...	4,614.06	4,686.60	5,144.24	5,202.23
Total Southern Ontario System...	9,642.80	9,760.13	11,584.85	11,723.12
NORTHERN ONTARIO PROPERTIES				
230,000-volt.....steel tower.....	55.28	55.28	55.28	55.28
230,000-volt.....wood pole.....	51.71	51.71	51.71	51.71
115,000-volt.....steel tower.....	823.71	865.64	1,446.76	1,519.08
115,000-volt.....wood pole.....	1,046.35	1,163.89	1,046.35	1,163.89
69,000-volt.....wood pole.....	203.72	203.72	203.72	203.72
44,000-volt and less. wood and steel...	1,658.51	1,693.69	1,726.25	1,772.66
Total Northern Ontario Properties.	3,839.28	4,033.93	4,530.07	4,766.34
Total—All systems.....	13,482.08	13,794.06	16,114.92	16,489.46

New Transmission Tower Design

During 1956 orders were placed for transmission towers of a new type to be manufactured in accordance with the Commission's designs. The first of these will be erected early in 1957. The towers will be lighter in construction, and, being higher than towers formerly used, will permit the use of longer conductor spans. In co-operation with manufacturers, designs were prepared for larger but lighter conductors which will carry more power without increasing the weight load on the towers. The new conductors, because of their more efficient design, will be lower in cost. The erection of the new transmission line structures will be more economical since it will be possible to use especially designed footings requiring less installation time. The importance of this contribution to design practices and construction methods is particularly apparent at a time when the power utilities are carefully reappraising all cost aspects of construction.

Regional Office Buildings

Three new regional office buildings were completed and placed in service at Hamilton, Ottawa, and North Bay. A new regional office building is to be constructed at Belleville.

SOUTHERN ONTARIO SYSTEM

Progress on Power Developments

A brief description of the two large projects at present under construction is given in the following paragraphs together with a summary of the work accomplished during the year. Reference is made to plans and progress regarding the development of additional thermal-electric resources and this is followed by a description of the work on transformer stations and transmission lines.

ROBERT H. SAUNDERS-ST. LAWRENCE GENERATING STATION—
ST. LAWRENCE RIVER

- Location* —The International Rapids Section of the St. Lawrence River about 2 miles west of Cornwall.
- Installed Capacity* —820,000 kilowatts in 16 units (Ontario Hydro's share).
- Rated Head* —81 feet.
- In-Service Schedule*—1958-1960.
- Estimated Cost* —\$300,000,000, including generation, step-up transformation, and associated high-voltage switching at St. Lawrence Transformer Station.

The project for the development of power in the International Rapids Section of the St. Lawrence River is being shared by the Commission and the



ST. LAWRENCE POWER PROJECT

Left: Powerhouse area looking towards the Canadian shore. Steel pier nosings which will be embedded in the draft-tube concrete have been erected.

Right: One of the four travelling gantry-cranes in use at the powerhouse site to place concrete. This machine, standing on a 100-foot gantry travelling on rails 42 feet apart, can move a total weight of 11 tons within a radius of 150 feet or 25 tons within a radius of 86 feet.

Power Authority of the State of New York. The program of construction is being co-ordinated with that of the St. Lawrence Seaway being undertaken by agencies of the Federal Governments of Canada and the United States.

In addition to the generating station structure combining the two adjoining powerhouses, the main features of the project include a dam at Long Sault to control the level of the headpond, a dam at Iroquois Point to regulate flow from Lake Ontario, and some 14 miles of dike. Associated with the power development proper are several major related projects involving the relocation of highway, railway, and power transmission facilities, and the design and construction of new townsites. These new communities will replace those located within the area to be flooded by the headpond. The improvement of river-channels is also involved in the combined seaway and power development scheme.

First concrete for the powerhouse structure was placed in February 1956, just 18 months after the commencement of construction. By the middle of the summer, pours in excess of 2,000 cubic yards per day were being made and by the end of the year over 40 per cent of all concrete work for the Ontario powerhouse was finished. Concrete placing was begun on embedded parts for the first three turbines.

About one-third of the Cornwall dike was finished when main dike operations ceased for the winter. With the resumption of full-scale construction in 1957 the former Cornwall ship canal will be closed, but passage for ships through the dike must be maintained up until the time when the new deep waterway comes



ST. LAWRENCE POWER PROJECT — The concrete closure structure for the temporary diversion of the Cornwall ship canal is shown here in its final stages of construction. It is nearly 125 feet high and 400 feet long and is located where the canal passes through the Cornwall dike. Closure will be effected at this point when the canal is no longer required.

into operation with the raising of the headpond level. This passage will be provided by a temporary ship canal. A concrete closure structure at the point where the temporary canal passes through the dike was completed in 1956, excavation for the canal was almost finished, and the canal itself will be available for shipping at the opening of 1957 navigation. Tunnels which underpass both the old and the new canal provide access to the powerhouse area. Some clay excavation work will be carried out on the dike throughout the winter months.

St. Lawrence Transformer Station was placed in service in April and a number of line sections were completed for operation at the same time.

Relocation of Municipalities and Facilities

Almost all the work in the residential part of the new Iroquois townsite has been completed and corresponding work is approaching completion in Long Sault, formerly known as Town No. 2. House-moving was continuing in Ingleside, Town No. 1. In all, some 275 houses had been re-established at their new locations by the end of the year. Work on providing essential services, roads, shopping centres, and other municipal facilities is proceeding on schedule in all communities being constructed as part of the project. Subject to approval by the Commission, schools and churches as required are being built under the supervision of architects appointed by the respective boards involved.

The raising of the headpond also requires the relocation of some 40 miles of Canadian National Railways double-track main line and of some 35 miles of main highway. Track-laying for the railway was almost finished and good progress was maintained in the provision of bridge, overpass, and signal facilities. Work was begun on two of the five new stations required. One section of re-located highway No. 2 near Cornwall was open to traffic. Excavation and dredging for channel improvement continued at three river locations.

SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—NIAGARA RIVER

<i>Location</i>	—Near Queenston, 6 miles down stream from the cataract and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.
<i>Installed Capacity</i>	—1,370,000 kilowatts, 60 cycles (1,200,000 kilowatts in 16 units in the main generating station, and 170,000 kilowatts in the pumped-storage scheme).
<i>Rated Head</i>	—292 feet (main generating station).
<i>In Service</i>	—Seven main generating units in 1954 and five in 1955.
<i>In-Service Schedule</i>	—Four main generating units and 6 pumping-generating units—1957-1958.
<i>Estimated Cost</i> (16 units and pumped storage)	—\$343,700,000, including generation, step-up transformation, and high-voltage switching at the site.

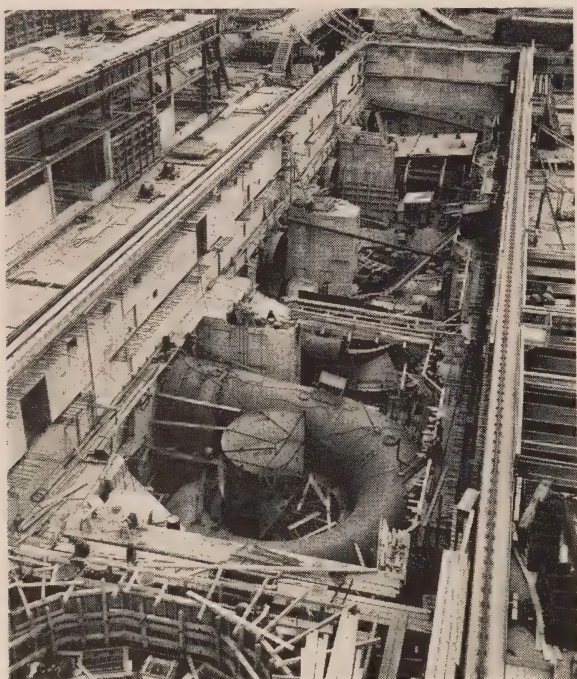
Completion of the 12-unit program at the main generating station in 1955 was very shortly followed by the decision to proceed with the additional four units for which provision has been made in the headworks. The first unit is

scheduled for installation in 1957 and the station will be completed in 1958. By the end of 1956 all of the powerhouse excavation was finished and draft-tube floors were concreted. Concrete pouring for the piers was begun. Cliff-face excavation was finished, concrete facing between the penstocks was almost finished, and erection of the penstocks was begun. The four generators, two 186,000-kva transformer banks, associated 15-kv metal-clad switchgear, and other required electrical equipment were purchased.

Pumping-Generating Station

At the associated pumping-generating station concreting of the headworks and rear areas was complete, and concrete in the unit area was finished for the first two units. Concrete work for the other units was at various stages from

turbine foundation to generator pedestal. The six pump-turbines and electric motor-generators were being installed. Three penstocks had been erected and the other three were being constructed. The reservoir and dike were completed.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Looking down into the powerhouse area of the pumping-generating station. Installation of the scroll-cases for the six pump-turbines is under way.

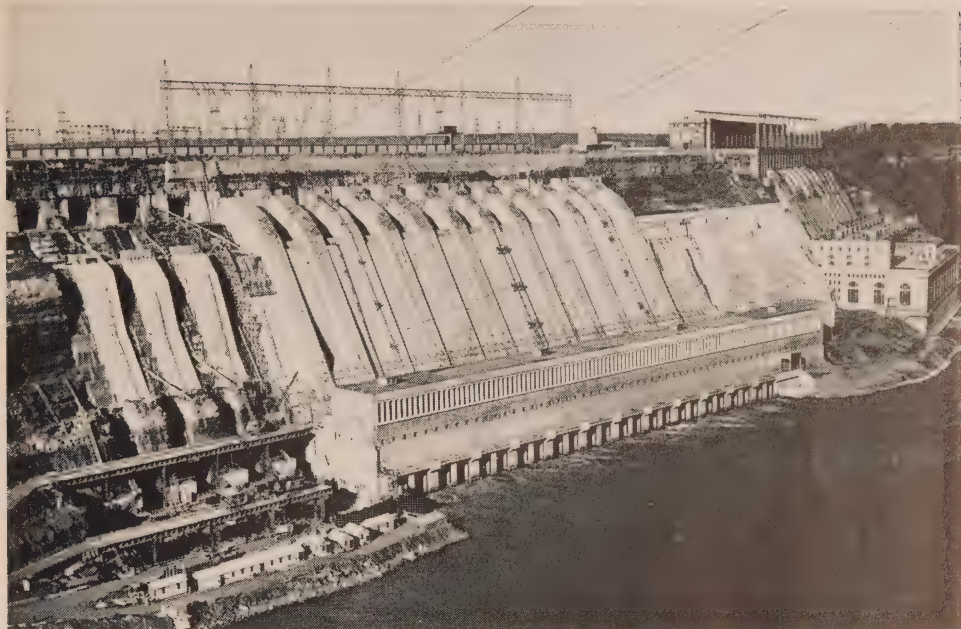
Electrical work in the switchyard for the pumping-generating station was about half finished. Switching equipment for the new double-circuit 230-kv line connecting the station with the switchyard of the main generating station was being installed. At the towers near the main switchyard an extensive counterpoise program was carried out to lower the ground resistance. A major power interruption which occurred at the main generating station in May 1956 prompted the decision

to lower resistance of these tower footings as much as possible.

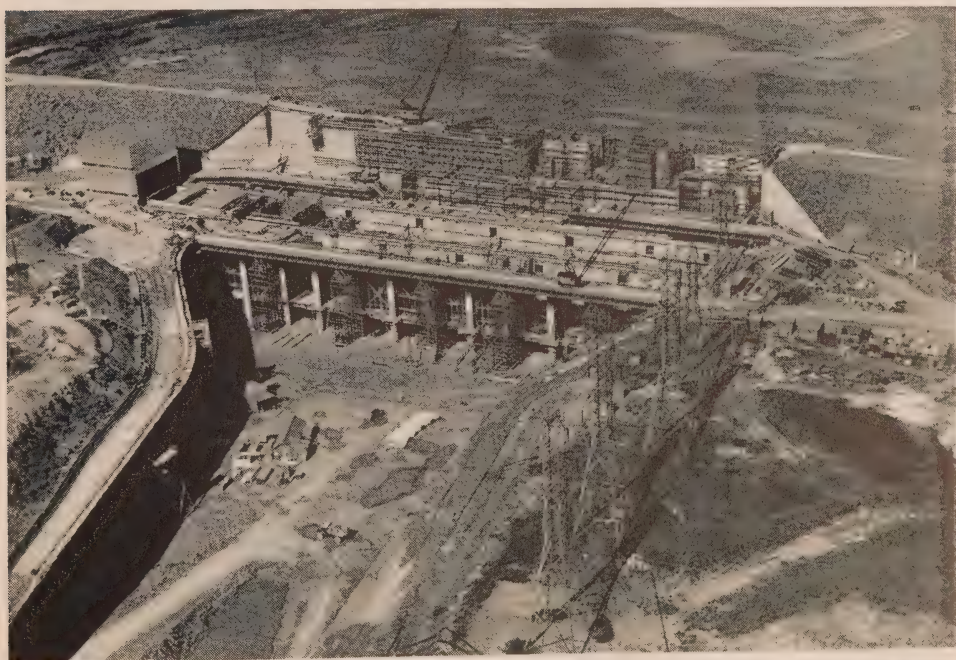
The six units at the pumping-generating station are scheduled for service at intervals of approximately two months beginning early in 1957. The station will be substantially completed by the end of the year.

Remedial Works Control Dam

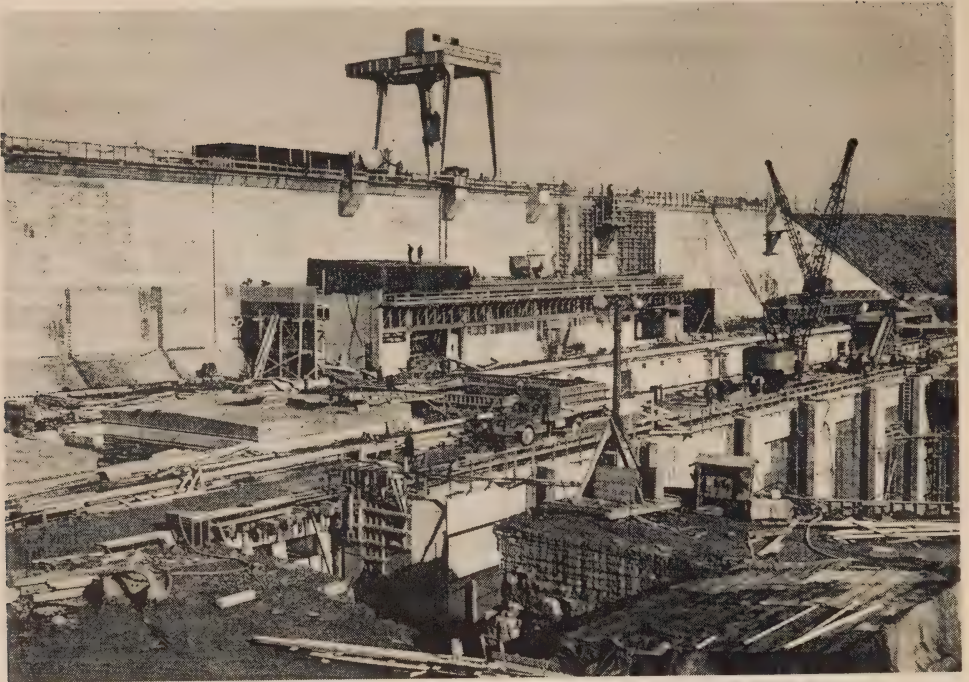
At the remedial works control dam up stream from the cataract nine sluices were in operation at the end of the year. Concreting for the four remaining sluices was proceeding.



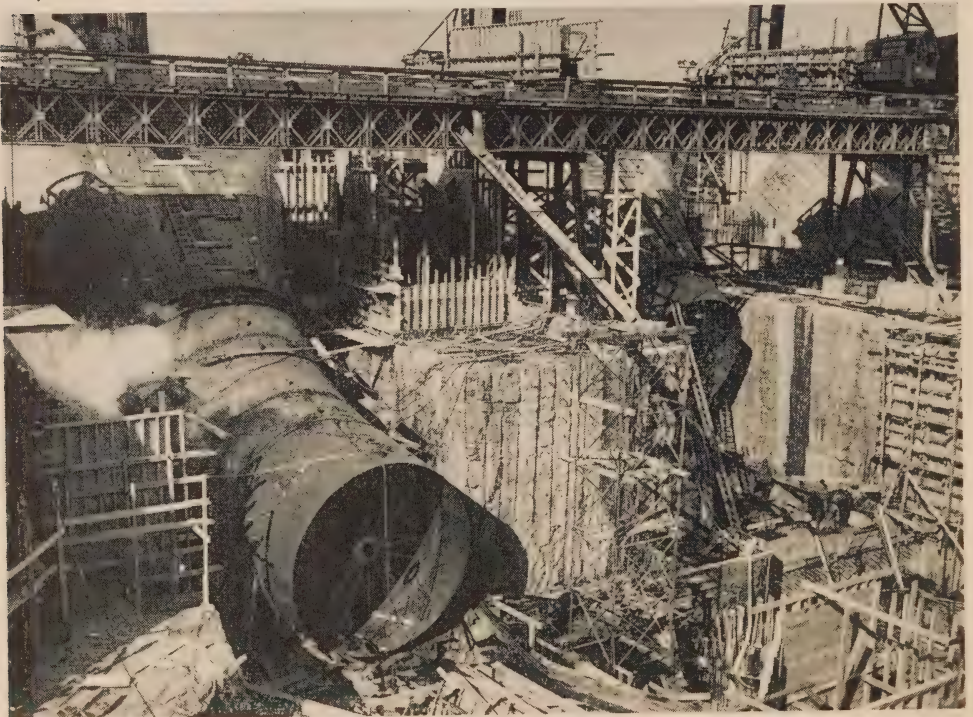
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2 — Preparatory work, left, is carried out for the installation of four additional generating units. When completed, the 16 units at this station will have an installed capacity of 1,200,000 kilowatts. At the right is Sir Adam Beck-Niagara Generating Station No. 1.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—The pumping-generating station in September 1956. Powerhouse wing walls and part of the reservoir dike can be seen to the left and right of the headworks. At times of low demand, six pump-turbines will lift water from the intake canal, left foreground, into a reservoir with a capacity of 16,000 acre-feet. At times of high demand, these units will operate as generators as water returns from the reservoir to the canal for use at the main generating station.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Concrete placing at the pumping-generating station. Two cranes in the powerhouse area move concrete-carrying buckets into position. In the background is the 50-ton travelling gantry-crane for headworks operation.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2 — Penstock construction at the pumping-generating station. Water passing through the penstocks will operate six reversible pump-turbines. Each penstock has a maximum inside diameter of 26.5 feet.

RICHARD L. HEARN GENERATING STATION—TORONTO

<i>Location</i>	—Eastern area of Toronto's waterfront.
<i>Installed Capacity</i>	—1,200,000 kilowatts, 60 cycles (400,000 kilowatts in 4 units, and 800,000 kilowatts in 4 units).
<i>In Service</i>	—Unit No. 1, 1951; Units No. 2 and 3, 1952; Unit No. 4, 1953.
<i>In-Service Schedule</i>	—Unit No. 5 in 1958, Unit No. 6 in 1959, and Units No. 7 and 8 tentatively in 1960.
<i>Estimated Cost</i>	—\$109,100,000, including generation, step-up transformation, and high-voltage switching at the site.

Orders were placed for all four of the 200,000-kilowatt units planned for installation at Richard L. Hearn Generating Station. The first is scheduled for service in late 1958 and the second in 1959. The others are tentatively scheduled for service in 1960 but delivery may be delayed if they are not required as early as at present expected. In association with representatives of the Commission's engineering staff, design work is being carried out by Stone & Webster Engineering Corporation who are also supervising the work of construction. Excavation and pile-driving were begun for Unit No. 5 late in the autumn of 1956.

NUCLEAR POWER DEMONSTRATION (Capacity 20,000 kilowatts—installed)

In September 1956 work commenced for the construction of the Nuclear Power Demonstration Project. Under the terms of the tripartite agreement involving also Atomic Energy of Canada Limited and Canadian General Electric Company Limited, the Commission provided a site for this project near Des Joachims Generating Station on the Ottawa River. In addition to completing designs which are now being prepared for the project building and for the conventional part of the project, the Commission will operate the station when it is complete. Canadian General Electric Company Limited in turn will act as general contractor for the construction of the project. Contracts have already been negotiated for the purchase of several major items of construction equipment for the reactor pressure vessel, and for the turbine-generator.

Transformer Stations

The increasing demands of the Commission's customers and the requirements of frequency standardization together have made it necessary to add substantially to the system transformer capacity and to rearrange facilities at a number of transformer and switching stations.

Four new 115-kv transformer stations were placed in service. These stations with their initial installed capacities are Toronto-Glengrove, 66,000 kva; Ottawa-Slater, 66,000 kva; Aylmer, 15,000 kva; and St. Lawrence, 83,000 kva; the last named replaces Cornwall Transformer Station which was dismantled

to permit construction associated with Robert H. Saunders-St. Lawrence Generating Station. In addition to the 115—46-kv transformers at St. Lawrence Transformer Station, a 115,000-kva, 230—115—13.2-kv autotransformer and associated switching equipment were installed to reinforce the 115-kv system. A new 83,000-kva, 230—46-kv transformer station is being built near Minden. Work is proceeding on the installation of a 48,000-kva synchronous condenser at Detweiler Transformer Station. At Burlington Transformer Station provision is being made for two additional 230-kv circuits from Sir Adam Beck-Niagara Generating Station No. 2, the transformer capacity of the 230-kv station is being considerably increased, and new 115—28.4-kv transformers with associated switching are being installed to supply loads in the area.

Stations in the Toronto Area

In the Toronto area the capacities of Bathurst, Fairbank, and Strachan Transformer Stations were increased, work to increase the capacity of Esplanade Transformer Station was in the final stage, and corresponding work was at the design stage for Bridgman and John Transformer Stations. There are plans to increase the capacities of Gerrard and Warden Transformer Stations to twice their present levels and at the latter to install 20,000 kvar of capacitors. A total of 60,000 kvar of capacitors were installed at three transformer stations to supply reactive power to the Toronto area. At Leaside Transformer Station the west 115-kv switchyard was changed to 60-cycle operation in November and plans are going forward for the complete standardization and rehabilitation of the station. The first stage, involving the installation of two 215,000-kva autotransformers, is now proceeding. Equipment is being installed in the control-room for supervisory control of three other transformer stations—Basin, Bridgman, and Glengrove. The capacity of A. W. Manby Transformer Station is being increased by replacing one three-phase, 115,000-kva, 230—115—13.2-kv transformer with a similar transformer of 215,000-kva capacity. Plans are being developed for the final stages of frequency standardization and for the transfer of 230-kv switching from A. W. Manby Transformer Station to Richview Transformer Station, formerly Richview Switching Station. Equipment is being installed at A. W. Manby Transformer Station to provide supervisory control of Esplanade, Strachan, and Wiltshire Transformer Stations in Toronto.

Cherrywood Switching Station, just to the east of Metropolitan Toronto, was placed in service in 1956. The station will eventually serve as one of the main switching points for power coming from Quebec suppliers and the St. Lawrence Power Project. Present plans include the installation of a total of 18 breakers at the station. At Richview Transformer Station three 230-kv circuit-breakers were installed to control circuits at present supplying power to the St. Lawrence area and to supply 60-cycle power to Toronto-Leaside Transformer Station for the first stage of frequency standardization there. Two three-phase, 50,000-kva, 230—28.4-kv transformers with their associated switching facilities are being installed at Richview Transformer Station. Present plans include the installation at this station of a power supervisory control centre for the entire Southern Ontario System which will supersede the present centre at Head Office.

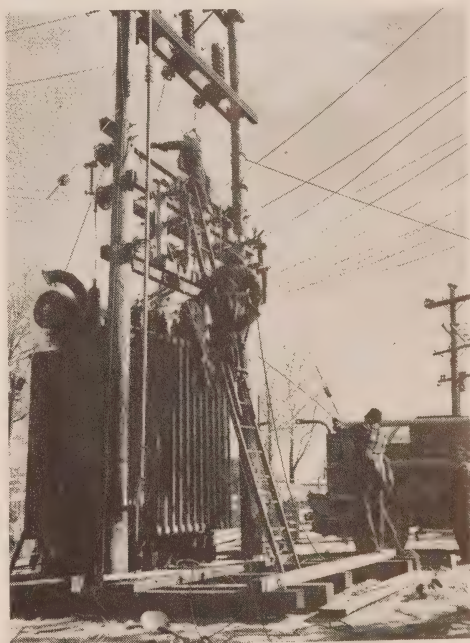
Western, West Central, and Niagara Regions

Standardization of transformation facilities in the Western, West Central, and Niagara Regions was carried out in accordance with the progress of the program. A new station with an initial capacity of 28,800 kva is being constructed in Beamsville. Major rehabilitation was carried out in conjunction with standardization at Guelph Transformer Station. An increase in capacity of St. Clair Transformer Station from 72,000 kva to 90,000 kva is only the beginning of a program to meet increasing loads in the Sarnia area. Plans are being developed to add a further 100,000 kva at St. Clair Transformer Station, while two transformers now being added at Sarnia Transformer Station will increase its capacity from 62,500 to 174,500 kva.

Transmission Lines

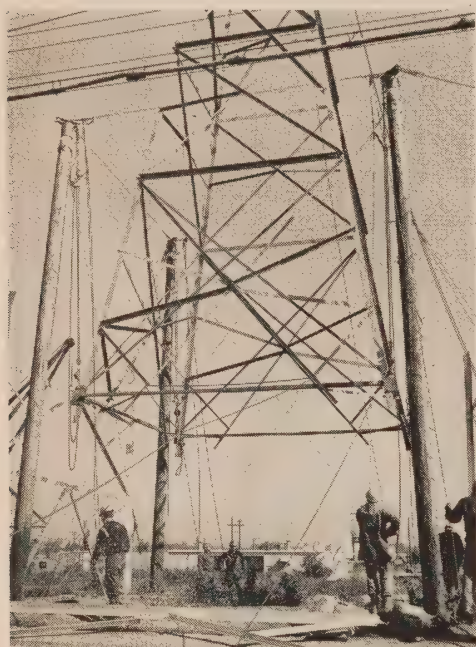
The incorporation of Robert H. Saunders-St. Lawrence Generating Station into the system will involve a substantial increase in 230-kv transmission facilities carrying power some 40 miles northwest to Ottawa, and westward to switching points on lines now transmitting power purchased from Quebec suppliers. Engineering was begun for the St. Lawrence Transformer Station to Ottawa section and the larger part of engineering survey was completed for the remainder. Meanwhile, the new St. Lawrence Transformer Station was connected to the system by 5 miles of double-circuit, 230-kv transmission line extending to Raisin River Junction. Power to the new station was supplied at that point from Richview Switching Station via Cherrywood Switching Station and the line formerly used to carry power from Beauharnois Generating Station to Toronto-Leaside Transformer Station. About 9 miles of 115-kv steel-tower transmission line was completed to serve the new St. Lawrence Transformer Station and to supply loads in the area. Preliminary engineering was begun for the four single-circuit, 230-kv transmission lines which will be required in mid-1958 to carry power from Robert H. Saunders-St. Lawrence Generating Station to St. Lawrence Transformer Station.

One circuit of a double-circuit, 230-kv, steel-tower transmission line was completed between Cherrywood Switching Station and Leaside Junction, a distance of 11 miles. Changes were made to other lines in the vicinity of Cherrywood Switching Station and, in connection with frequency standardization



A temporary 2,000-kva substation is erected in a rural area to provide service during a changeover in distribution voltage.

operations, to lines supplying five transformer stations in the Toronto area. Other changes of some magnitude have been made in transmission facilities in built-up areas in the vicinity of Toronto and Hamilton. A four-circuit, 115-kv transmission line has now replaced the double-circuit line on a narrow right of way in the congested area between Hamilton Beach and Hamilton-Gage Transformer Stations. The right of way makes ten railway and five street crossings



A 15,000-pound steel tower is raised 20 feet in the air while a straight-leg extension is added. The lifting equipment is visible at each corner of the tower. The increased height will provide safe clearance at a circuit-crossing point near Hamilton Beach Transformer Station. Six conductors and a sky wire were undisturbed during the operation.

and is closely paralleled by a railway line on either side, and at times is closely approached by three low-voltage wood-pole lines. The construction of the new line was therefore complicated by problems of tower location. Some of the other major additions are associated with the construction of new highways, the Expressway in Toronto, and the high-level bridge at Burlington Beach. The relocated 115-kv line across Burlington Beach is designed ultimately to carry four circuits. Two circuits were completed in 1956; all the tower footings are below the water-level and various types were used to meet differing ground conditions. It was necessary to use sheet piling at tower locations in the water and "well points" where towers were on the filled strip. Eventually the four-circuit steel-tower transmission line between the Humber River and Toronto-Strachan Transformer Station will be replaced by underground cable circuits. These will total some 12 circuit miles. Nearly 8 miles of

underground circuits were placed in service in the Toronto area in 1956 and just under 5 miles in the city of Ottawa. A steel-tower and wood-pole 115-kv transmission line about 11 miles in length was built from Merivale Switching Station to Cyrville Junction to assist in supplying the central and eastern areas of Ottawa.

NORTHERN ONTARIO PROPERTIES

Progress on Power Developments

No additional generating facilities were placed in service in the Northeastern Division where increases in power and energy requirements have been met by augmenting purchases and by the increased use of interchange facilities. In the Northwestern Division construction has been vigorously carried out on several projects. Manitou Falls Generating Station, placed in service in 1956, is the subject of a short feature article and progress of construction at four other sites is briefly noted.

WHITEDOG FALLS GENERATING STATION—WINNIPEG RIVER

- Location* —30 miles northwest of Kenora and 12 miles due east of the Manitoba boundary.
- Dependable Peak* —54,000 kilowatts in three units, 60 cycles.
- Capacity*
- Rated Head* —50 feet.
- In-Service Schedule*—1958.
- Estimated Cost* —\$19,200,000, including generation, step-up transformation, and high-voltage switching at the site.

Whitedog Falls Generating Station is located on the Winnipeg River just up stream from the confluence of the Winnipeg and English Rivers. It will be remotely controlled from a transformer station at Kenora.

The main dam, approximately 1,150 feet in length, will span the south channel of the river at Whitedog Island. It will incorporate the powerhouse, the adjoining headworks, and a sluiceway structure with nine sluiceways, two of them motor operated. The sluiceways will be separated from the powerhouse by a short bulkhead section. At the south shore the structure will terminate in a concrete gravity section adjacent to the erection bay, and at the north shore in an earth-fill section adjacent to the log-chute head-block. Two additional block dams will be required, a rock-fill dam to close the north channel around Whitedog Island and the other, an earth-fill dam, to close off an area of low land on the island itself.



WHITEDOG FALLS GENERATING STATION—Water pours through newly constructed sluiceways despite sub-zero temperatures. Behind the cofferdam, right, excavation for the powerhouse foundation is being carried out. When completed, the over-all length of the main dam will be approximately 1,150 feet.

The access road from a point on the Canadian National Railway near Minaki was completed in the summer of 1956. A 115-kv transmission line from Kenora was erected, initially to supply construction power to the site. Cofferdams were constructed and work for a river diversion was carried out during the year. This included the concrete piers which will be incorporated in the two motor-operated sluices and two of the other sluices. The two end sections of the main dam, including the log-chute head-block, were also completed. Channel improvements both up stream from Whitedog Falls and down stream at Boundary Falls are scheduled for the summer of 1957. The latter improvements will benefit both Whitedog Falls and Caribou Falls Generating Stations.

CARIBOU FALLS GENERATING STATION—ENGLISH RIVER

<i>Location</i>	—41 miles northwest of Kenora and 8 miles due east of the Manitoba boundary.
<i>Dependable Peak</i>	—67,500 kilowatts in three units, 60 cycles.
<i>Capacity</i>	
<i>Rated Head</i>	—58 feet.
<i>In-Service Schedule</i>	—1958.
<i>Estimated Cost</i>	—\$28,500,000, including generation, step-up transformation, and high-voltage switching at the site.

At Caribou Falls on the English River the Commission is engaged in constructing a three-unit generating station with a dependable capacity of 67,500 kilowatts. This development will involve a 1,260-foot gravity-type dam incorporating the powerhouse and extended at one end by a 450-foot clay and earth-fill wing-dam. In the concrete part of the structure there will be nine sluices, two of them equipped with motor-operated sluiceways.

The access road from Whitedog Falls was constructed during the latter part of 1956 and was made ready for winter use. Erection of cofferdams was under way at the end of the year. Housing and other facilities for staff and construction workers were almost complete.

Some 22,000 acres of eventual headpond area are being cleared in conformity with regulations of the Provincial Department of Lands and Forests. This is the most extensive operation of its kind ever undertaken by the Commission. The work is being carried out by some four to five hundred men working as small teams under contract. Their progress is recorded by the application of photogrammetric techniques and the whole operation is under the direct supervision of the Commission's manager of woods operations. About one-third of the area was cleared by the end of the year.

ALEXANDER GENERATING STATION (Capacity 60,900 kilowatts in 5 units)
and
CAMERON FALLS GENERATING STATION (Capacity 76,700 kilowatts in 7 units)

Two of the three generating stations on the Nipigon River are being increased in capacity—Alexander Generating Station by the addition of one 19,000-brake-horsepower unit and Cameron Falls Generating Station by the addition of one

25,000-brake-horsepower unit. Both turbines are of the fixed-blade propeller type and they will be directly connected to 60-cycle generators. The additional structure at the former station will be incorporated in the present main dam structure. Some excavation work was done and design work on the main structures was being carried out. At Cameron Falls Generating Station the additional unit will be housed in a separate structure east of the present six-unit powerhouse. A rock plug up stream and a cofferdam, almost completed, down stream from the site will facilitate dewatering the site. Rock in the powerhouse area was consolidated by pressure grouting and excavation in the area was well begun.

Transformer Stations and Transmission Lines

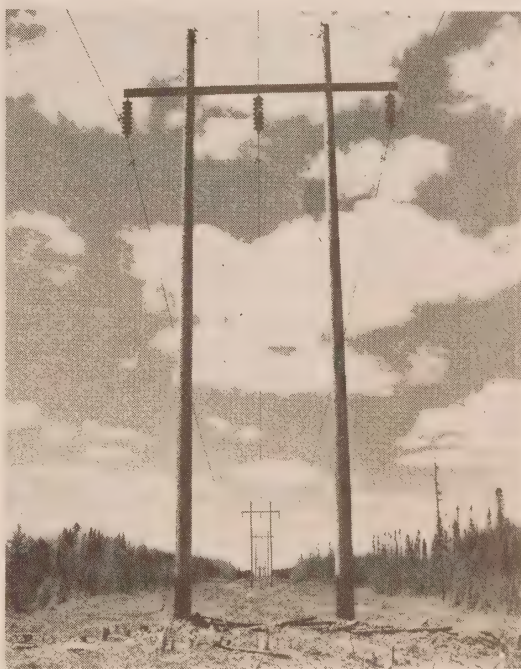
Northeastern Division

In view of the development of mining loads in the Blind River area two new transformer stations were scheduled for service early in 1957, one at Elliot Lake with an initial capacity of 15,000 kva and one at Quirke Lake with an initial capacity of 30,000 kva. They are both to be increased later to capacities of 45,000 kva, with 30,000 kvar of switched capacitors; in addition there will be two synchronous condensers, each of 5,000-kva capacity, at Quirke Lake Transformer Station. In the Sudbury area Larchwood Transformer Station, a 115—44-kv station with a capacity of 20,000 kva, is being constructed to supply mining loads. As a means of transferring 60-cycle power from the Southern Ontario System to these two mining areas, additional transformer and switching facilities are planned for R. H. Martindale Transformer Station.

Northwestern Division

Kenora Switching Station was placed in service in October. The present plan is to establish at Fort Frances controls for circuits connecting Kenora Switching Station, Moose Lake Transformer Station, and the Ontario-Minnesota Pulp and Paper Company's station in Fort Frances.

In October, the first 115-kv interconnection was made with the system of the Manitoba Hydro-Electric Board. This involved the construction of 75 miles of single-circuit wood-pole line from Dryden to Kenora and of 2 miles of double-circuit steel-tower line to a junction point on the Manitoba Board's



A twin-pole structure for carrying a single 115-kv circuit. This type of construction is used extensively in northern Ontario and provides an economical transmission line with very good operating characteristics.

wood-pole line connecting Seven Sisters Generating Station and the Ontario-Minnesota Pulp and Paper Company mill at Kenora. About 32 miles of this last line, that part lying within the Province of Ontario, were purchased from the Board by the Commission. Steel-tower transmission lines north from Kenora to Whitedog Falls and Caribou Falls Generating Stations, a total of 31 miles, are under construction and scheduled for completion early in 1957. In order to integrate these new generating stations and the Manitoba facilities more closely with the Northwestern Division, a 100-mile wood-pole line is being built from Kenora to Fort Frances. This will particularly benefit the Moose Lake area near Atikokan.

The single-circuit, steel-tower, 115-kv line from Manitou Falls Generating Station to Ear Falls Generating Station was placed in service in March and the line from Ear Falls Generating Station to Dryden Transformer Station was changed from 44-kv to 115-kv operation.

New 230-kv Transmission Facilities in Northeastern Division

In view of the continued growth in loads in the Northeastern Division, construction was begun on a new 230-kv line from Otto Holden Generating Station to Blind River Transformer Station, a distance of 203 miles. The new line will be of wood-pole construction, and will be the first 230-kv wood-pole line constructed by the Commission. Work on the line in 1956 was confined to survey operations.

MANITOU FALLS GENERATING STATION

Manitou Falls Generating Station is the second of four projects included in the plan to develop the maximum potential of the English River between Lac Seul 1,172 feet above sea-level and its confluence with the Winnipeg River at an elevation of 987 feet. Ear Falls Generating Station, at the outlet from Lac Seul, Manitou Falls Generating Station, 20 miles down stream, and Caribou Falls Generating Station, now under construction about 6 miles from the junction with the Winnipeg River, will together use 148 feet of the total available head. The fourth development site is at Maynard Falls, which is roughly halfway between Ear Falls and Caribou Falls.

MANITOU FALLS GENERATING STATION—ENGLISH RIVER

Location —20 miles down stream from Ear Falls.

Dependable Peak —65,700 kilowatts in five units, 60 cycles.

Capacity

Rated Head —54 feet.

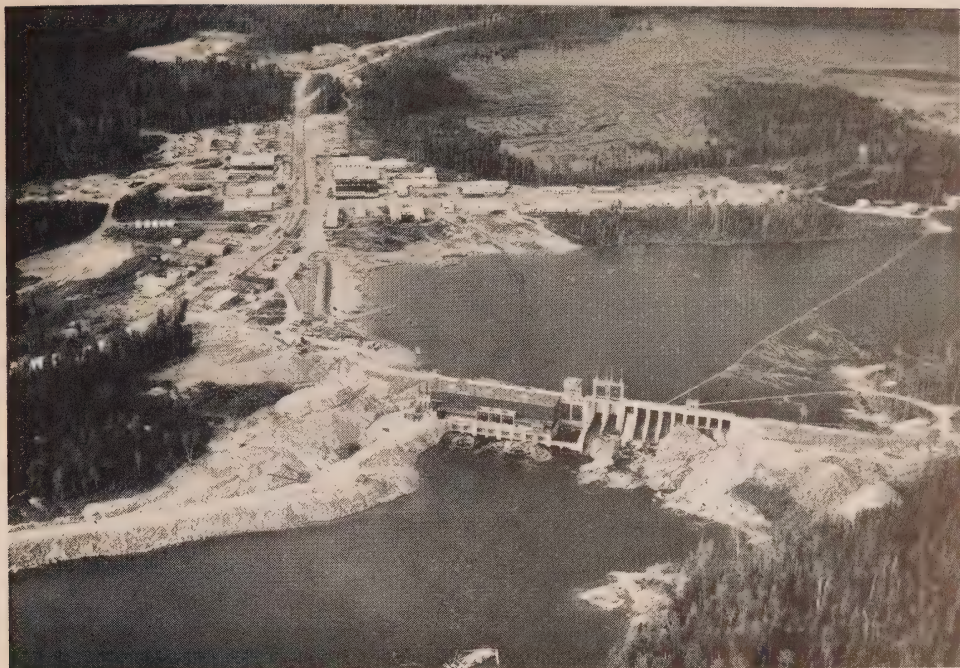
In Service —Unit No. 1, March 29; Unit No. 2, April 4; Unit No. 3, May 3; Unit No. 4, July 15, 1956.

In-Service Schedule—Unit No. 5 in 1958.

Estimated Cost —\$18,500,000, including generation, step-up transformation, and high-voltage switching at the site.

English River Watershed

The English River watershed includes an area of slightly over 20,000 square miles of the pre-Cambrian Shield liberally endowed with small irregular lakes and extensive muskeg areas. It extends roughly from latitude 49° to latitude



MANITOU FALLS GENERATING STATION — This four-unit station was placed in service early in 1956 with a dependable peak capacity of 54,400 kilowatts. A fifth unit to be added in 1957-58 will increase the capacity to 65,700 kilowatts.

51° 5' between the western border of Thunder Bay District and the Manitoba border. The Commission's interest in the area dates from 1927 when studies for the development of power on the river were first undertaken. Since that time the Commission has built and subsequently extended Ear Falls Generating Station and Manitou Falls Generating Station, and is now engaged in constructing Caribou Falls Generating Station. The complete program of river development is dependent on the completion of a scheme to use water diverted from the Albany River via Lac Seul and the Root River. This will increase the dependable stream-flow at Manitou Falls from 6,800 cfs to approximately 9,800 cfs.

Main Features

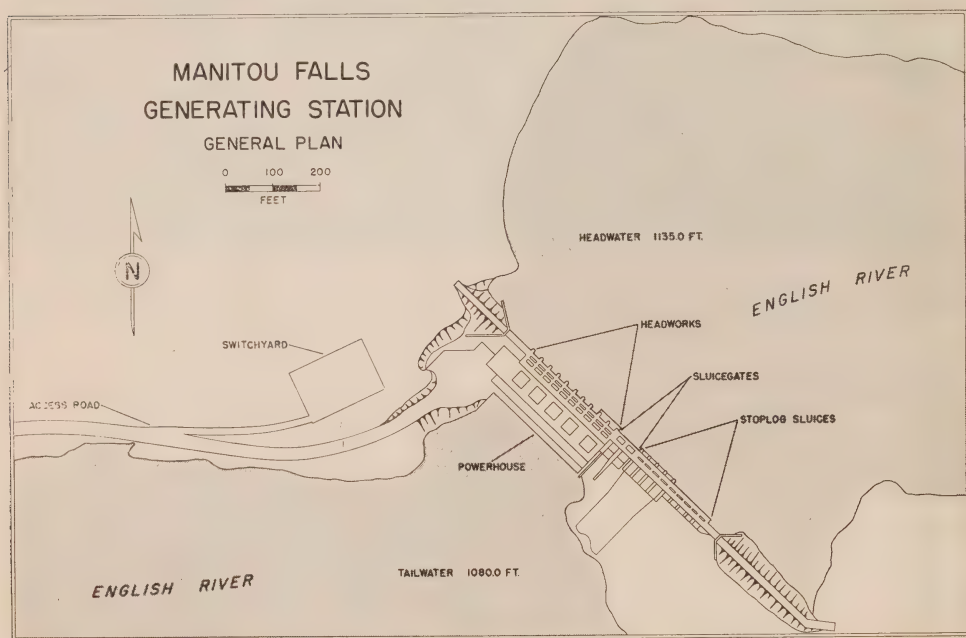
At the point where the main dam spans the English River at Lower Manitou Falls, the banks of the river rise gently at a slope of 1 in 10, the overburden, chiefly clay and sand, varying from zero to 50 feet. The main features, in addition to the powerhouse itself, include the main dam, the headworks structure, two motor-operated and nine stoplog sluices, and an auxiliary dam. At first planned as a three-unit station, Manitou Falls has been extended to meet rising power requirements in the Northwestern Division. When completed it will have five units with a dependable capacity of 65,700 kilowatts.

Progress of Construction

Construction began in December 1953 with the building of an access road to the site, and the construction of the 115-kv transmission line from Ear Falls Generating Station followed. The permanent access road followed the route

of this transmission line. The first work at the site was the excavation of a diversion channel around the powerhouse area and the construction of the associated sluiceways. Then, following the building of the required cofferdams, the river was diverted through the sluiceway structure and work on the powerhouse proceeded in the dry. With the completion of the powerhouse and the concreting of the main dam and sluiceway structures, the cofferdams were removed and the headpond was filled. Four units were in service by July 15, 1956. The fifth is scheduled for operation in 1958.

The station is controlled by very-high-frequency radio from Ear Falls Generating Station and is regarded as the largest hydro-electric station so controlled on this continent.



The main dam is 1,100 feet long, with a concrete section and earth-dike approaches. The 620-foot concrete section includes the five-unit powerhouse and headworks, two electrically operated sluices, four stoplog sluices with ogee rollways, and five conventional stoplog sluices. The total discharge capacity of the sluices is approximately 50,000 cfs. The two power-operated sluices are 18 feet in width and controlled by fixed-wheel-type gates. The other sluices, 16 feet in width, may be closed by stoplogs placed in position by a self-propelled electrically operated winch.

Headworks

The headworks structure, 248 feet long and incorporated in the main dam, has five intakes, each of which is divided by an intermediate pier into two 17½-foot bays. The headgate in each bay is remotely controlled from Ear Falls Generating Station and each hoist is enclosed in an aluminum housing, there

being no conventional superstructure. Each bay is equipped with sectional service gates and steel racks or screens. A 25-ton, electric, travelling gantry-crane provides service to this equipment.

Generating Station Equipment

Ultimately the station will have five 60-cycle, vertical-shaft units generating at 13.8 kv and each rated at 16,000 kva, 0.9 power factor. They will be operated at 150 rpm by fixed-blade propeller-type turbines, each having a rated capacity of 18,500 brake horsepower under a 54-foot head. The turbines were supplied by Dominion Engineering Company Limited and the generators by the Canadian General Electric Company Limited.

The generators are totally enclosed and are water-cooled machines of the umbrella type. The stator windings are star-connected, two circuits per phase, with the star point grounded through a grounding transformer. A 250-volt direct-current generator mounted above the main generator supplies exciter current for the unit.

Three single-phase, oil-insulated, air-cooled transformers, each with a capacity of 22,333 kva, are mounted on the tailrace deck. They step up the 13.8-kv power to transmission voltage. An unconnected spare transformer is also provided. The transformers are connected delta-star and allow for a maximum transmission voltage of 138 kilovolts. No high-voltage breaker is provided; the high-voltage conductors from the transformers are connected to the transmission line through a line disconnecting switch. Air gaps afford lightning protection. Transmission lines terminate at strain insulators mounted on the downstream face of the powerhouse. The switchyard is located on the north bank of the river down stream from the powerhouse. The station is incorporated into the system by 11.6 miles of 115-kv, single-circuit, steel-tower line to Ear Falls Generating Station and by 61 miles of 115-kv line from there to Dryden Transformer Station.

SECTION VI

RESEARCH AND TESTING ACTIVITIES

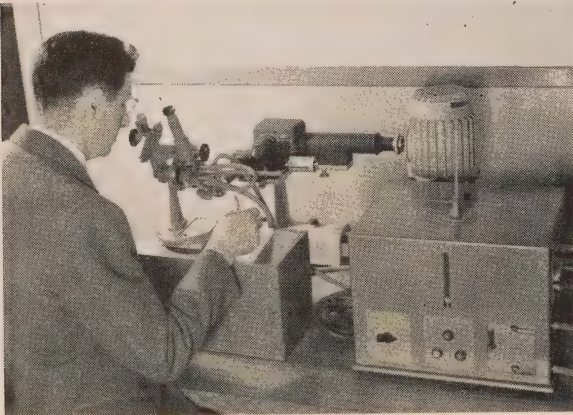
THE importance of the Commission's extensive research and testing activities is apparent in many ways affecting every phase of system engineering, operation, and maintenance. In this Report it is possible to give only a brief outline of some of the more significant items either initiated or notably advanced during the year.

AIDS TO DESIGN AND CONSTRUCTION

Concrete Studies

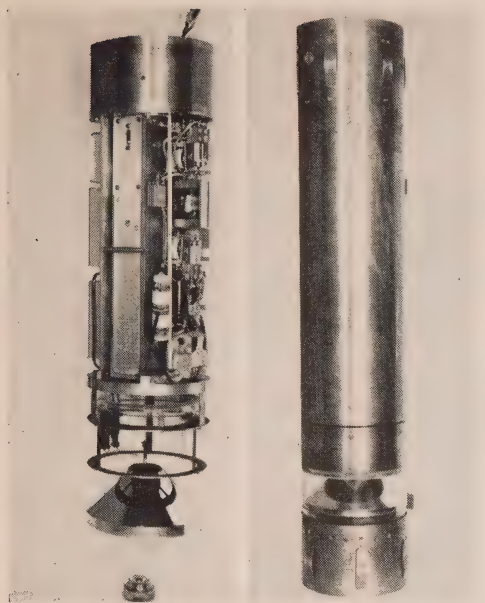
Concrete studies are of major importance in achieving economies in the Commission's operations. A recent problem affecting the St. Lawrence Power

Project was the tendency of concrete placed during warm weather to set too rapidly. To add additional water in the designed mix required an expensive increase in the cement content. Following laboratory studies of retarding admixtures commercially available, and subsequent experiment in the field, it has been established that the permissible handling time of concrete mixes can be extended by about two hours and a significant reduction in the water: cement ratio achieved. Concrete in which fly ash replaced about



Measurement of the refractive indices of liquids by means of a refractometer and monochromatic light. The liquids are used in the petrographic identification of aggregate minerals.

30 per cent of the normal cement content was used for the construction of girders forming the roofs of ice sluices at Robert H. Saunders-St. Lawrence



A bore-hole camera, with internal parts shown at the left and waterproof case at the right, assists in determining the character of faults or voids in rock or concrete when this cannot be learned from drill cores. The camera fits a $6\frac{3}{4}$ -inch hole and through the window in the case takes pictures on 16 mm. film of successive $1\frac{3}{4}$ -inch bands of the hole periphery. A compass, bottom left, indicates direction. A high-voltage flash-tube provides the illumination for the exposures.

mens in which the same amount of steel was rearranged to provide better reinforcement against shearing stresses. The latter did not fail in bond until loads were 70 per cent greater than those causing shear failure in normally reinforced specimens.

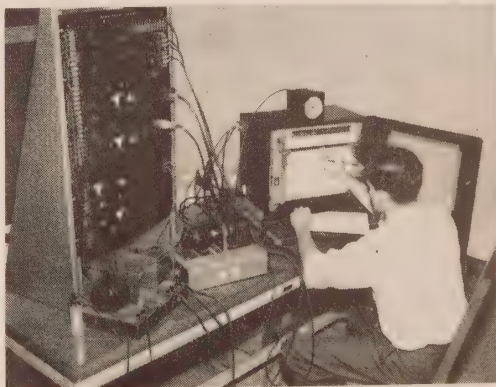
Structural Items at Generating Stations

The half sections of steel hatch-covers for erection bays and generating units at the Niagara pumping-generating station and at Robert H. Saunders-St. Lawrence Generating Station measure approximately 44 by 16 feet. Load deflection tests indicated that the covers could be opened satisfactorily under a snow load of 40 pounds per square foot.

Generating Station. The ease of handling, the low temperature maintained during setting, and the ultimate strength attained confirmed laboratory studies. Modifications of procedures were introduced in acceptance testing of cement for the Project. Compressive-strength testing was substituted as being more representative of service conditions than tensile-strength testing in checking the strength development of prepared specimens.

Study was given to the selection and proportioning of materials to be used in heavy concrete shielding for atomic power reactors.

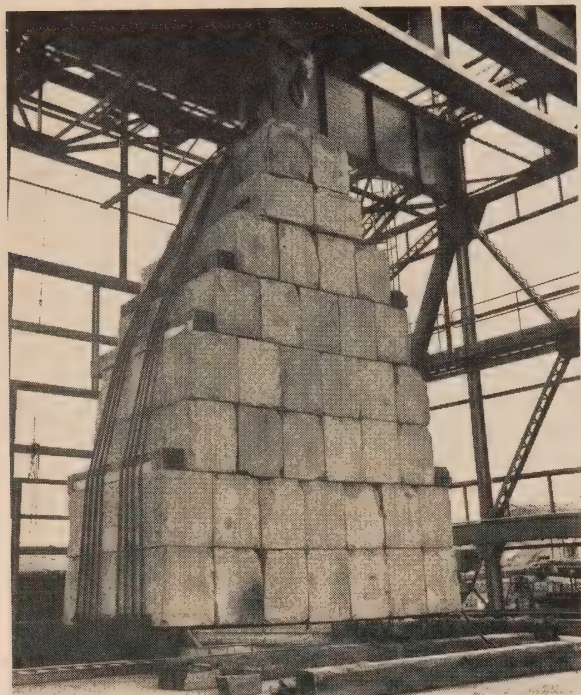
By theoretical analyses of the stress distribution in concrete brackets of the type provided on columns as beam supports, there were indications that the brackets as normally reinforced are weak in resistance to shear. These indications were confirmed by the application of photoelastic techniques to models. Tests were undertaken to compare the performance of specimens normally reinforced with that of speci-



Researcher using special equipment investigates turbine-governor characteristics. The speed setting of the governor is accurately controlled by the signal transmitter, left. Variations in power output, frequency, and turbine-gate position are recorded on the chart at the right.

The gantry-crane designed to operate along the powerhouse dam at Robert H. Saunders-St. Lawrence Generating Station will receive power via a collector arm from three bus bars in a recess 4 feet above the powerhouse deck. To prevent employee accidents and to protect the bus bars from the weather, a

closure system was designed using overlapping neoprene strips which provide for entry of the collector arm. A specially compounded neoprene was required and in the development of the closure some fifty variations in design and material were evaluated.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Test load on the 175-ton travelling gantry-crane which will provide hoisting service for the six generating units at the pumping-generating station. The crane will straddle the units and travel the length of the powerhouse erection-bay structure. It will be enclosed in an insulated aluminum housing and become, in effect, a movable superstructure section with overhead hoisting facilities.

Since pore-water pressures have an important influence on soil strength, a knowledge of the pressures that result from different operating conditions can facilitate assessment of the structural behaviour of earth embankments. A piezometer system to measure pore-water pressures was designed, built, and installed in the clay core of the reservoir embankment at Sir Adam Beck-Niagara Generating Station No. 2. Laboratory investigation to determine the permeability and the resistance to shear at the soil-concrete interface in

earth dams indicated that no significant seepage increase or strength loss occurs there. If field studies confirm these results, substantial savings may be achieved in the future by reducing the length of wing walls.

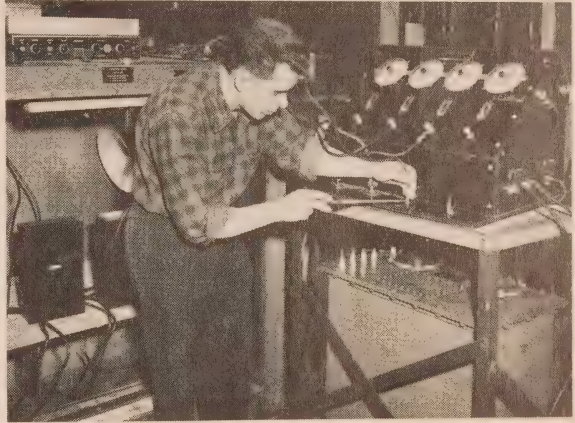
Difficulties encountered with piezometer tubing made of copper led to the consideration of plastics as a likely alternative. After comparative evaluation with other plastics available in tube form, polyethylene was selected for the 5 miles of $\frac{3}{4}$ -inch tubing required for the St. Lawrence Power Project. It is not only more suitable than copper for this application but it is also less expensive to purchase and to install. Because of its relatively low installation cost it was also selected in preference to asbestos or fibre for the 1,500 feet of 4-inch conduit protecting 15-kv cables at the pumping-generating station at Sir Adam Beck-Niagara Generating Station No. 2.

Transmission Line Design

Further study was given to problems of radio interference and corona losses on 230-kv transmission circuits. Indications are that on the new 230-kv wood-pole line from Otto Holden Generating Station to Blind River Transformer Station satisfactory performance combined with economy can be achieved with 18-foot conductor spacing by the use of either bundled conductors or a larger conductor on only the centre phase.

Noise Control

The Commission has collaborated with the National Research Council of Canada in developing several types of resonant chambers (Helmholtz resonators) to be used in structures in order to absorb noise. One simple type is made by drilling small holes through to the cells of concrete blocks. When used in wall construction these blocks are highly effective in lowering the level of transformer hum, and when used as lining they considerably reduce the noise level in ventilation ducts.



Testing a service-entrance circuit-breaker. Technician measures the re-latching time of a circuit-breaker after it has tripped on overload.

AIDS TO OPERATION

In order to establish load-carrying capacities for overhead conductors, studies were undertaken of the stress-strain effects on aluminum steel-reinforced conductors of above-normal operating temperatures. Tests at 100 degrees Celsius and up indicated that at these temperatures the conductor changed considerably owing to annealing and consequent creep of the aluminum strands. The resulting sag of the conductor between supports would be unacceptable.

Cable Studies

Nitrogen gas circulating in the ducts of pipe-type cable circuits decreases the temperature of hot spots, thereby permitting increase in the cable loadings. Equipment was designed to circulate gas at 200 psi in the ducts of two circuits in the Toronto area. Operation of the equipment was begun without loss of the original static pressure or any interruption of cable loading. Temperature of the cables was recorded remotely by means of temperature-sensitive resistors. Another method of cooling uses water flowing through pipe buried adjacent to the cables. Analogue studies of the cooling effect under operating conditions and the use of a scale model of one section of cable installation indicated the feasibility of using smaller cables than would otherwise be required to provide for load growth in the future. The water-cooling technique is expected to find wide application.

The proposed use of special transformers for electrical bonding of the sheaths at joints in underground cables would impose restrictions on cable loadings. A modified system of cross-bonding was developed so that heavier loading will be permissible and cable costs will be reduced.

Oil leakage at points in certain 115-kv underground cables was successfully stopped when the joints were encased in heavy plastic castings formed by filling expendable wood-and-fibre moulds with an activated liquid casting resin. A successful modification of the method was applied for stopping oil leakage through cracks in lead sheath of cables.

Recording and Measuring Devices

An operations recorder designed and built by the Commission's staff was put in service at Sir Adam Beck-Niagara Generating Station No. 2. Records of the operations of some 500 relays, breakers, alarms, and other equipment can now be printed at a rate of about 15 per second and for the most part in correct time sequence.

Development was well advanced for a remote annunciator scheme which will bring to a central point information concerning circuit-breaker operations in a system. A possible application would provide input data for a system display map proposed for the new power supervisory headquarters at Richview Transformer Station.

The necessity to maintain a margin of excess flow over Niagara Falls in order to guarantee compliance with the terms of the Niagara Diversion Treaty results in some loss to power generation. As an operating condition this situation is aggravated when wind and other conditions may cause variations of as much as 50 per cent in the natural flow of the river. A study using operations research methods showed that advance knowledge of flow changes would permit a reduction in the margin of excess flow and a corresponding increase in the amount of water available for power generation. Tests made by analogue techniques indicated that it would be possible to design equipment which, when supplied continuously with data on river and lake levels and on station output, would predict river behaviour up to four hours in advance. Station operations could then be scheduled to make most efficient use of the water allowable under the treaty. The additional revenue that would result from the revised operation would far outweigh the cost of the simulating equipment.

The telemetering of water-level gauge readings correct to within 0.01 foot has recently become practical through improvements in digital data-handling techniques. One technique is a full digital system in which data are transmitted as coded pulse chains and made available at the receiving end in decimal notation either in printed or in display form. Another system consists of two analogues, one indicating the foot interval of the water-level, and the other the fractional interval in hundredths of a foot.

Insulation

Samples of generator-coil insulation received from several manufacturers were subjected to accelerated aging tests as part of a major evaluation program. The data now available will permit an assessment of the relative life expectancy of the materials under service conditions.

Investigation was made of difficulties associated with the functioning of gas-operated relays for indicating the beginning of insulation failure in transformers. Desirable performance was determined and a number of modifications were studied. A relatively simple modification was devised so that acceptable performance of the relays resulted with only a slight sacrifice of compensation for change in static oil pressure.

Corrosion

A polarization cell was designed and constructed to facilitate cathodic protection of pipe-type cable installations. The cell will require little current and relatively little maintenance. It will replace the 2-volt storage battery at that end of the electrolytic protective system where battery-charging facilities would be unavailable except at considerable cost. Cathodic protection of underground oil-piping at Scarborough Frequency-Changer and Transformer Station by means of a limited current directed from ground to piping was investigated and found feasible. A novel feature of the protective system was the use of the station-fence grounding bed as the anode with periodic replacement of metal lost through corrosion. Studies of the same topic at Richard L. Hearn Generating Station indicated that a current of higher voltage would be necessary there, and a special anode bed, perhaps of silicon-iron rods, buried along the shipping canal. Several surveys were made to detect and identify conditions leading to cable-sheath corrosion.

Long-term testing continued of corrosion resistance of metals, metallic coating, and methods of coating application. Observations indicate that commercial cadmium coatings offer poor resistance to industrial exposure while the new cathodic zinc-enriched paints show a high degree of protection against corrosion.

Investigation was made of oil deterioration and babbit-bearing corrosion that occurred in a number of generators, turbines, and rotary condensers. Tests showed that when moisture is present, conditions develop leading to deterioration of oil and consequent babbit corrosion if the bearings have a low tin content and a high arsenic to tin ratio.

Cavitation

The resistance of metals and alloys to cavitation pitting was investigated as a guide in the maintenance and repair of hydraulic turbines and in specification work for pumps and turbines. Accelerated laboratory testing was carried out. In comparative tests it was established that one-layer or two-layer weld overlays of 17-7 and 19-9 chromium-nickel stainless steels were superior to three-layer overlays in resistance to cavitation pitting. Manganese stainless steel, which has mechanical properties similar to those of 17-7 steel, was even

more resistant. Ductile cast iron, nickel aluminum bronzes, and martensitic stainless steels also showed good resistance to pitting which in some instances could be improved with suitable heat treatment or by chill casting.

MATERIAL AND EQUIPMENT TESTING

Among the items tested were linemen's climbers, cleaning solvents for leather and nylon-neoprene equipment, and gasket materials for a variety of uses. Portable testing equipment was developed and constructed for testing in-service lightning arresters. The equipment is being made available for



A 60-inch integrating photometric sphere measures the output of electric lamps. During 1956 about 4,400 incandescent lamps were tested as a representative sampling of one million lamps of various sizes.

general use. Non-destructive methods for detecting flaws in metal were used in the examination of such items as helicopter parts, steam-turbine blades, and boiler feed-pump impellers. The addition of a universal fatigue-testing machine will extend the range of testing facilities. It will be used for investigating fatigue properties of materials under repetitive bending, axial or torsional stress, and for testing the fatigue life of mechanical components under simulated service conditions.

The acquisition of a new source unit has enlarged the scope of problems that may be solved by means of the spectrograph. The source unit makes possible a wide range of values of five types of closely controlled electrical conditions. It will increase precision in the identification of materials by spectrographic analysis and will permit the application of this time-saving technique to the quantitative analysis of a far greater number of materials than was previously possible.

Street-lighting studies indicate that with certain limitations the replacement of incandescent lamps with mercury-vapour lamps in some present installations would result in improved lighting efficiency and long-term economies.

In addition to the foregoing activities, the Commission carried out a varied program of miscellaneous material testing and development work having wide application in utility operations.

SECTION VII

STAFF RELATIONS

THE present shortage of engineering and technical personnel has focussed the attention of authorities in business and in education across Canada and indeed throughout the western world upon the central importance of our schools in the solution of this now critical problem. For several years now the Commission, by providing university scholarships, has encouraged participation in scientific and engineering studies. In 1956 it recognized the growing need for improved teaching and research facilities by setting aside over a two-year period \$200,000 to assist Hamilton College, McMaster University, in a program involving the construction and operation of a nuclear reactor at the University. In addition, for a period of ten years beginning in 1957, the Commission will contribute an annual amount of \$5,000 towards operating costs associated with the reactor. Hamilton College, with an able group of men already active in nuclear research under the leadership of Dr. H. G. Thode, was in a particularly favourable position to make most effective use of such financial assistance. The Commission will maintain close liaison with the program of study.

This gesture represents investment for the long term. In the current shortage of technical personnel, however, the Commission has not escaped its share of the more immediate common problems.

Manpower Planning and Development

In an effort to meet 1956 requirements, recruiting teams canvassed Canadian universities from coast to coast. The results were gratifying as an indication of the excellent quality of the graduates of Canadian universities. It was evident too that young persons of outstanding ability find themselves challenged by power utility problems and that they welcome the opportunities provided through employment with the Commission. Yet only half the Commission's requirement of engineers was available from Canadian sources and a province-wide search for draftsmen produced only 20 per cent of the total number required.

A supplementary recruiting tour of the United Kingdom resulted in the engaging of a number of engineers and draftsmen, most of whom had taken up their work with the Commission by the end of the year. The publicity attending this

activity in the United Kingdom may stimulate further recruiting there.



Class in electrical maintenance receiving instruction at the A.W. Manby Service Centre

Investigations have been carried out regarding the feasibility of the Commission's making extensive use of a large digital electronic computer. A decision was made to purchase this equipment since it can be used very effectively and at significant savings in cost for large-volume operations involving what is generally

known as commercial data processing. The computer will also handle certain scientific and engineering computations. This will be the first installation of this type of equipment by any electrical utility in Canada. It is expected that the gradual introduction of electronic data processing will enable the staff to carry out an increasing volume of business more expeditiously and without proportionate increase in their numbers. The transition from the use of present computing and punched-card equipment to the maximum use of the new equipment may be spread over a period of about six years. Meanwhile, every inducement is being offered to the staff to take advantage of the new labour-saving equipment to develop their skills and improve their employment status.

In the development of the capacities and skills of employees perhaps the most noticeable advancement was made among supervisors and potential supervisors. Training was given in five regions and at Head Office and a discussion course was continued for two groups of department supervisors. Training in instruction techniques was given to those serving as instructors in technical courses. Thirty persons took part in a course offered at the Training Centre for Area Managers, Supervisors, Chief Operators, and Category "A" Foremen. A total of 861 persons took part in these courses of training. An additional



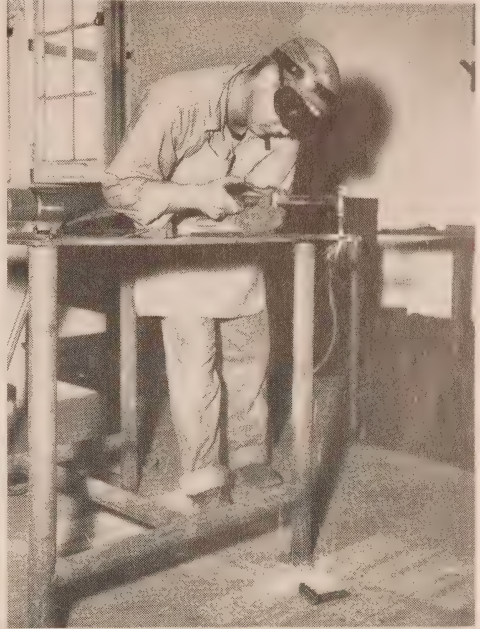
A trainee receives instruction in electric welding techniques at the Commission's Training Centre.

An additional

325 members of the staff took advantage of offers of assistance by the Commission to further their training in university and correspondence studies. During 1956 the Junior Engineer Training Program provided initial instruction for a new class of 45 engineers and maintained contact with them as they followed their program of job rotation.

Trade training was given in 1956 to just over 1,000 employees in electrical and line maintenance, forestry, welding, and concreting, as well as in the technical aspects of supervision. A four-year course in electrical maintenance is being prepared. It will involve training on the job supplemented by theoretical instruction in two sessions at the Training Centre.

During 1956 a proposal for an area work standards plan was given its first full-scale application in the West Central Region. The plan provides a measure by which supervisors in a region can gauge performance of their staff. A program was also introduced to give employees training in the basic elements of work simplification and in the techniques of applying the elements in their job situations. This type of training is similar to that given in schools of business administration. It has been applied with success by many companies, often in conjunction with an employee suggestion plan. Such a suggestion plan has been approved in principle for use within Ontario Hydro and consideration is now being given to the details for introducing it.



A student welder at the Commission's Training Centre uses an oxy-acetylene torch to cut a metal bar.

Collective Relations

The Commission's employees in their collective relations are represented by the Ontario Hydro Employees Union (National Union of Public Service Employees, C.L.C.), two locals of the International Union of Operating Engineers, the Allied Construction Council, and the Society of Ontario Hydro Professional Engineers. These units together represent about 90 per cent of the Commission's 18,000 employees. Negotiations leading to agreements with the various bargaining groups were conducted in a spirit of mutual confidence and respect. The present arrangement between the Commission and the Allied Construction Council has greatly facilitated labour negotiations at the Commission's large projects where some 16 trades unions are involved. Negotiations with respect to workers at the St. Lawrence Power Project were conducted by the Labour Relations Association in which the Commission holds membership. Among the

wage and salary agreements negotiated, that with the 1,200 construction employees engaged on generating station projects in the Northwestern Division is of particular interest as being of three years' duration effective until July 31, 1959.

Medical Service

During 1956 the hospital at Manitou Falls was closed. A new hospital constructed at Whitedog Falls now serves the Whitedog Falls and Caribou Falls projects. The hospital at Cornwall continues to contribute an essential service to the St. Lawrence Power Project. It has also been necessary to retain part of the facilities at Sir Adam Beck-Niagara Generating Station No. 2 to provide first-aid requirements and to serve the work force continuing in that area.

The problem of radiation hazard control is of special interest to the Commission now that construction of the Nuclear Power Demonstration project is proceeding. Plans are being devised for dealing with the problem.

The Commission's experience during 1956 indicated that the general health of employees was good.

Accident Prevention

The Commission's ratio of accidents to man-hours worked rose slightly in 1956 after a three-year period of continuous decline, emphasizing again the need for unremitting effort in the accident prevention program.



Resuscitation methods are demonstrated to Commission employees. Here the familiar Schaefer method of artificial respiration is practised.

for unremitting effort in the accident prevention program. The Commission's program involves three fundamental principles — the creation and maintenance of genuine interest, the thorough investigation of accidents when they do occur, and corrective action based on the facts disclosed.

President's medals have been awarded by the National Safety Council to G. Smith, a former summer student employee of the Commission, for the resus-

citation of a person overcome by smoke asphyxiation and to R. Livingstone, a member of the Commission's operating staff, for the resuscitation of a person rescued from drowning.

Improvements in fire-fighting training were achieved and there is evidence of increasing interest on the part of the staff in all aspects of the motor vehicle safety program. The general public must be continuously reminded of electrical hazards which may be heedlessly encountered by persons not normally engaged in electrical work. Model equipment is being developed that will effectively demonstrate features of these hazards.

Employment Statistics

The total Commission staff at the end of 1956 numbered 17,974 as compared with 17,084 at the end of 1955. Almost the entire increase was in temporary staff, representing for the most part construction workers. The number of regular staff remained relatively stable and was 13,560 at the end of 1956 as compared with 13,508 in December 1955.

SECTION VIII

MUNICIPAL ELECTRICAL SERVICE

DURING 1956 the Commission supplied electric power for resale to ultimate customers served by 350 municipally owned electrical utilities, and provided retail electrical service to customers in 29 municipalities served by Commission-owned local distribution systems. Facilities of the Commission and the utilities in these 379 municipalities together served a total of 1,181,788 customers.

The table on page 89 conveniently records the extent of the service provided by the municipal systems over the past fifteen years. The pattern is one



The new administration building of the Georgetown Hydro-Electric Commission provides office, stores, and garage facilities.

of almost uninterrupted growth in customers served, in consumption both total and average, and in revenue. In 1956 all classes of service showed increases in all aspects, except for the number of commercial service customers. This total and, to a lesser extent, all the related figures were affected by the transfer to domestic rates under the new rate structure of all commercial customers having a connected load of less than five kilowatts.

Municipal Electrical Utilities and Local Systems

CUSTOMERS, REVENUE, AND CONSUMPTION 1942 to 1956

Service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	¢
Domestic.....	1942	15,022,931	1,224,195,712	559,605	182	1.23
	1943	15,069,547	1,266,930,625	570,470	185	1.19
	1944	15,528,445	1,348,099,019	579,890	194	1.15
	1945	16,053,818	1,494,258,124	608,905	205	1.07
	1946	17,526,854	1,704,125,246	628,118	226	1.03
	1947	18,937,674	1,870,974,898	648,282	240	1.01
	1948	20,295,932	2,032,922,876	671,914	252	1.00
	1949	21,947,915	2,224,473,480	706,294	262	0.99
	1950	29,064,176	2,805,149,825	767,286	304	1.04
	1951	32,905,664	3,165,537,195	800,033	330	1.04
	1952	36,811,115	3,526,507,079	836,802	351	1.04
	1953	44,647,668	3,863,977,405	877,323	367	1.16
	1954	50,833,346	4,395,521,145	930,674	394	1.16
	1955	55,241,247	4,836,433,016	970,829	415	1.14
	1956	61,234,494	5,310,916,819	1,031,482	429	1.15
Commercial.....	1942	7,695,928	531,680,336	77,326	573	1.45
	1943	6,787,241	472,129,977	76,194	516	1.44
	1944	7,298,848	524,905,356	78,256	559	1.39
	1945	8,429,573	634,878,480	84,413	627	1.33
	1946	9,364,009	725,475,237	89,109	679	1.29
	1947	10,277,574	797,642,711	91,926	723	1.29
	1948	10,182,051	769,650,340	95,239	673	1.32
	1949	10,890,639	819,475,244	98,682	692	1.33
	1950	15,231,494	1,080,316,296	107,817	832	1.41
	1951	17,549,402	1,254,339,597	111,154	940	1.40
	1952	19,502,920	1,394,152,087	115,304	1,008	1.40
	1953	23,603,194	1,532,991,241	119,498	1,069	1.54
	1954	26,293,250	1,701,167,341	123,884	1,144	1.55
	1955	28,576,115	1,866,799,984	127,913	1,216	1.53
	1956	31,423,691	2,087,639,883	127,497*	1,365	1.51
Power.....	1942	17,501,866	2,293,797,547	13,721	13,931	0.76
	1943	17,757,984	2,334,067,598	13,837	14,057	0.76
	1944	18,375,443	2,374,869,860	13,860	14,279	0.77
	1945	17,770,481	2,346,870,889	14,726	13,281	0.76
	1946	17,981,265	2,329,774,691	15,529	12,502	0.77
	1947	19,989,875	2,652,001,321	16,325	13,538	0.75
	1948	20,742,344	2,687,513,708	16,886	13,263	0.77
	1949	21,814,062	2,806,244,668	17,594	13,292	0.78
	1950	26,966,954	3,193,783,939	18,788	14,166	0.84
	1951	29,353,071	3,459,742,798	19,370	14,884	0.85
	1952	31,403,227	3,619,518,306	20,055	15,040	0.87
	1953	38,482,884	3,948,124,809	20,885	15,753	0.98
	1954	40,855,075	4,089,513,923	21,671	15,726	1.00
	1955	44,270,882	4,637,527,118	22,237	17,379	0.96
	1956	47,808,610	5,140,704,025	22,809	18,782	0.93

*Decrease in number of commercial customers during 1956 reflects transfers to domestic billing under the new municipal rate structure.

The proportional increase in total consumption for the year was greatest for commercial service at 11.8 per cent. Power service and domestic service showed corresponding increases of 10.8 and 9.8 per cent over 1955 consumption. The average consumption per customer rose for all three classes of service, although domestic service fell slightly short of the 15-year trend. The somewhat sharper increase in average consumption per customer for commercial service is due in part to the transfer of a number of customers with low consumption from commercial service to domestic service. Revenues rose for all three classes of service approximately at rates prevailing over the past three years. Average cost per kilowatt-hour declined for commercial and power service and remained virtually unchanged for domestic service.

MUNICIPAL ELECTRICAL UTILITIES

The financial information given in the statements included in this section is prepared from books of account kept by the utilities in accordance with a standard accounting system designed by the Commission for use by utilities in all municipalities that have contracted with the Commission for a supply of power. The books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods used. In many of the smaller municipalities much of the accounting for the utilities is undertaken by the municipal accountants of the Commission. Such supervision ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures, but does not constitute an audit of the accounts.

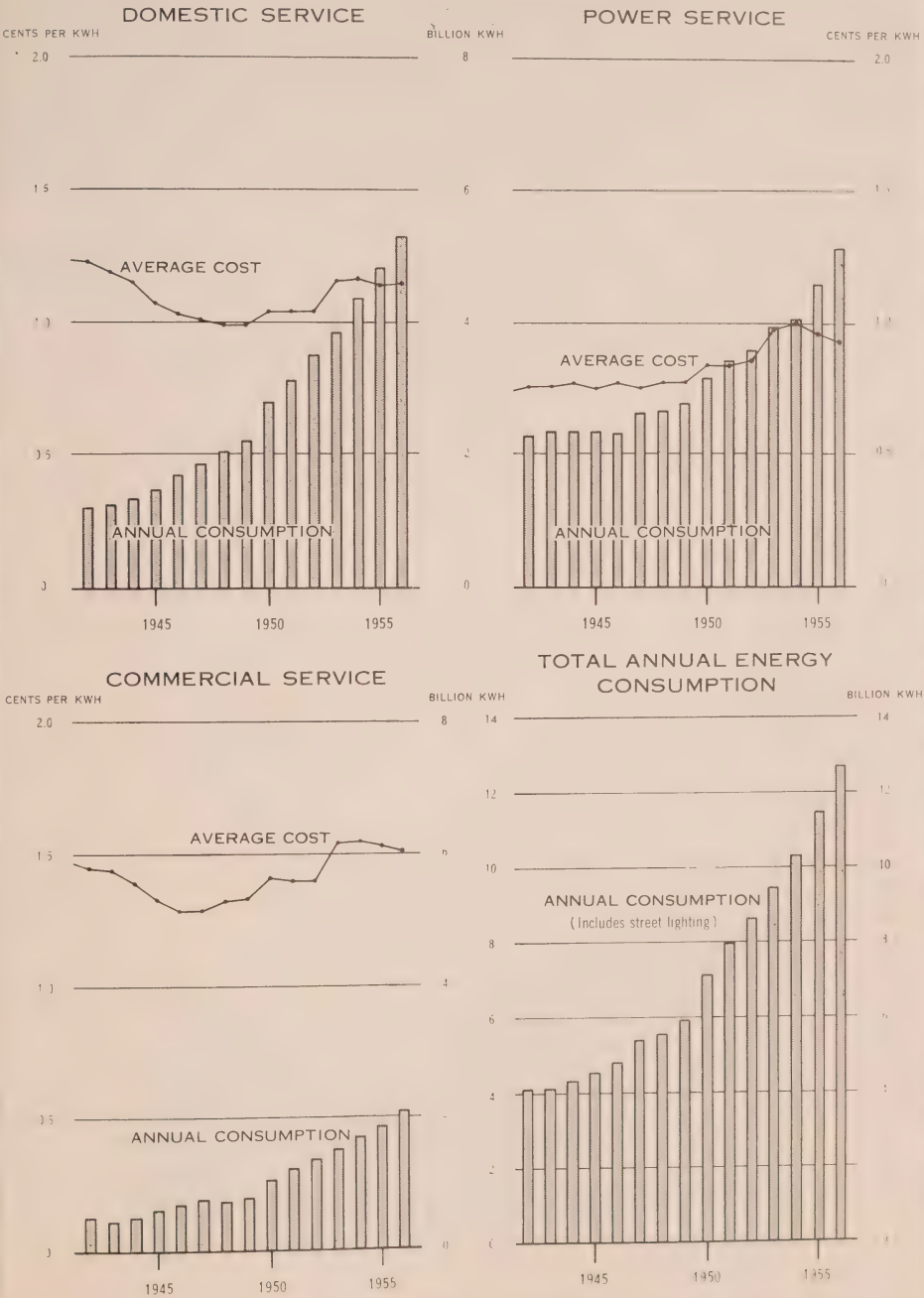
The utilities maintain their own accounts with their respective municipalities for such services as street lighting, water-works, and public transportation, and prior to 1956 the utilities were required, subject to the Commission's approval, to transfer surplus revenue in such accounts to the treasurers of their respective municipalities. This is no longer necessary under The Power Commission Act but the procedure was continued in 1956 when the transition was being made to a revised street-lighting rate policy. Beginning in 1956 the rates for street lighting were established in close relationship to the local commercial service rates and they will vary with them in accordance with operating costs experienced by the local utility.

Financial Operations

Total revenue of the municipal electrical utilities rose by 9.8 per cent from \$131,267,497 in 1955 to \$144,183,439 in 1956. Of the 1956 total, \$59,870,626 was from domestic service, \$30,648,781 from commercial service, and \$47,486,420 from power service customers. The individual municipal items which are combined in these amounts are shown in Statement "D". The remaining

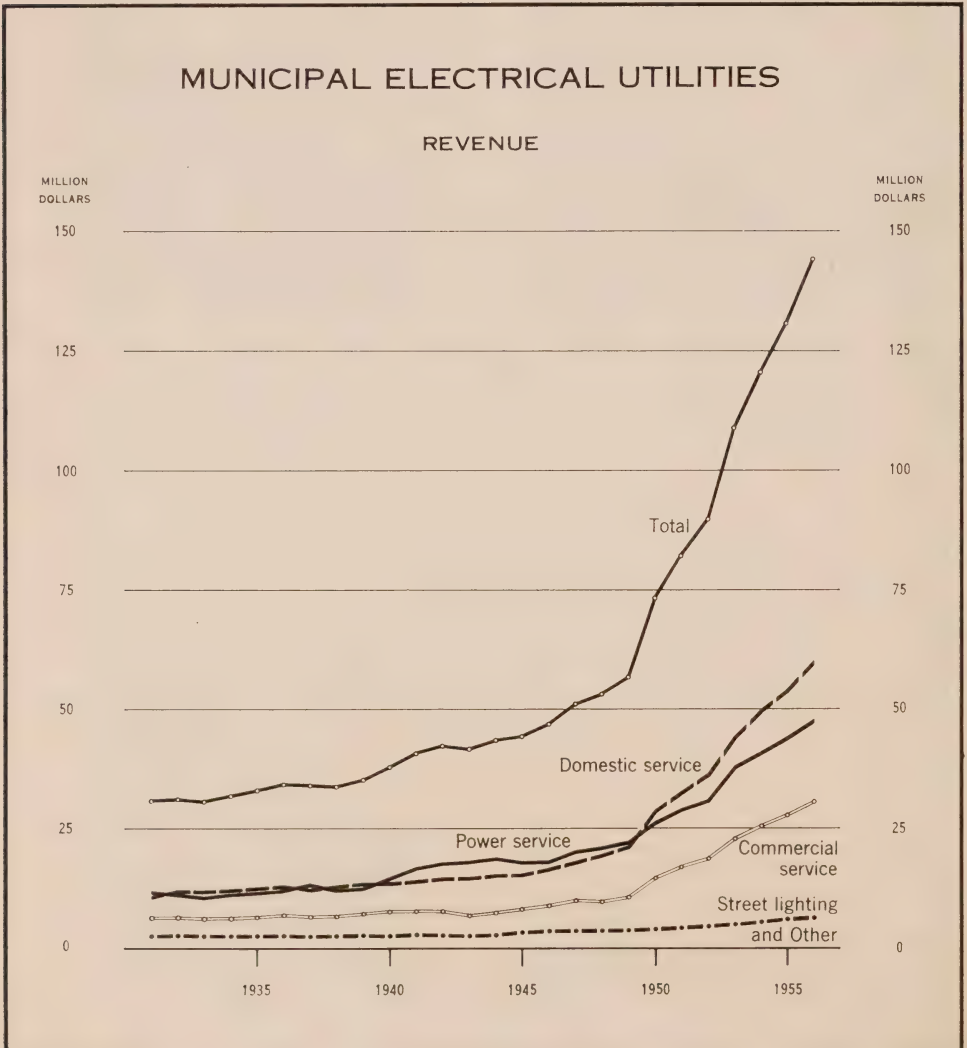
MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR



\$6,177,612 was from street lighting and miscellaneous other revenue sources. Total expense was up by 9.7 per cent, from \$113,767,410 to \$124,782,115. The surplus of revenue over expense was \$19,401,325, which represented 13.5 per cent of total revenue as compared with 13.3 per cent in 1955.

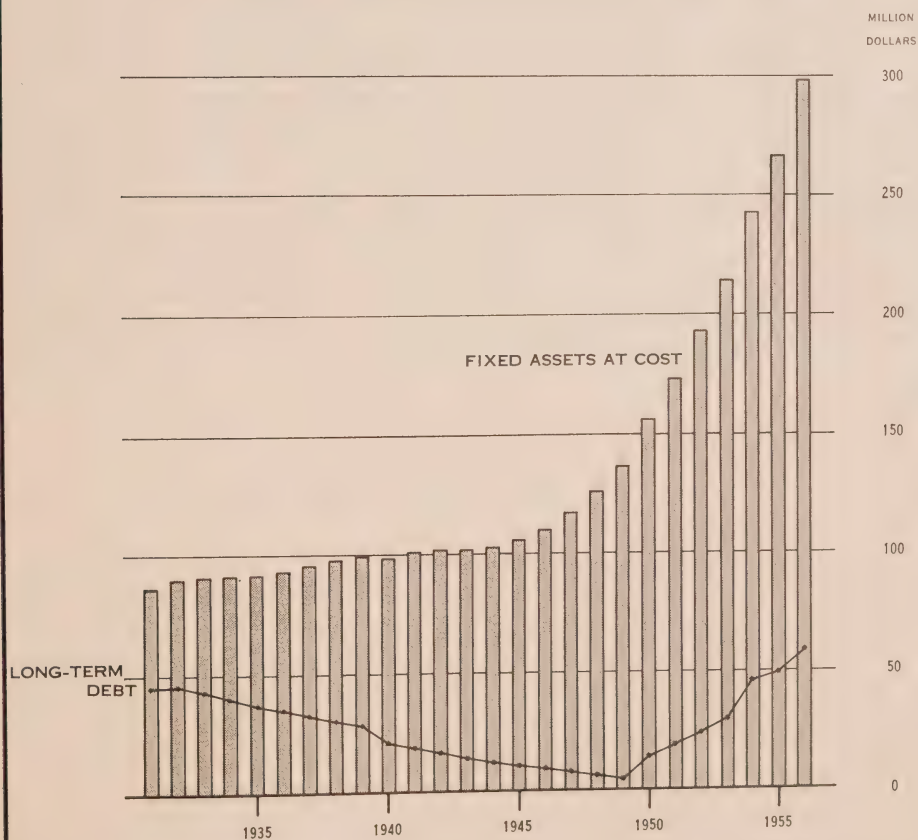
In 1956 the municipal utilities purchased 11.2 per cent more energy from the Commission than in 1955, but at only a 9.5 per cent increase in cost. Power purchased represents 70 cents in every dollar of total utility expense. Operating and maintenance expense was up by 11.1 per cent, and administration expense by 11.3 per cent. Interest and principal payments were up 12.5 per cent over 1955 while depreciation provisions, based on increased fixed asset values, were up by 7.2 per cent.



Summary of Financial Position

The investment of the utilities in fixed assets at cost at December 31, 1956 amounted to \$298,832,207, against which accumulated depreciation of \$66,539,420 had been provided. The total assets after deducting accumulated depreciation amounted to \$466,075,117, of which \$183,262,708 represented the equity in the Commission's systems acquired by the utilities operating under cost contracts with the Commission. This is the counterpart in the utilities' accounts of the sinking fund equity shown on the Commission's balance sheet. The difference between the amounts shown in any given year is due to the fact that most utilities do not have the Commission's calculation of sinking fund provision available at the time of closing their accounts. They accordingly show the equity account as at the end of the previous year rather than the current year.

The increase of \$31,741,455 in fixed assets at cost and of \$1,764,199 in other assets was financed in large part from internal resources available to the utilities.

MUNICIPAL ELECTRICAL UTILITIES**FIXED ASSETS AND LONG-TERM DEBT**

the long-term debt being increased by a net amount of \$8,751,650. Debentures outstanding at the end of the year amounted to \$58,528,557, which represents 19.6 per cent of the cost of fixed assets.

Municipal Resale Rates

Under The Power Commission Act the Commission exercises supervisory control over the activities of the municipal electrical utilities. As an important aspect of financial operations, their rates to ultimate customers are subject to the Commission's approval. These rates, while providing the utility with sufficient revenue to meet the cost of providing service, are intended to distribute this cost equitably among the customers being served. In 1956 revised basic rate structures were introduced following studies carried out over a period of years by the Commission in conjunction with the rates committee of the Association of Municipal Electrical Utilities of Ontario. The new structures will be adopted by the municipalities in turn as they are required either to meet increased costs of providing service or to reduce operating surpluses. By the end of 1956, twenty-five municipalities were serving customers under the new rate structures.

The new rate structures are based on a better evaluation of present-day requirements of customers and the costs of providing electrical service for them. The schedules in turn provide a four-block structure for domestic service and a three-block structure with a demand rate for both commercial and power service. For domestic service, the fourth rate becomes effective after a total of 750 kilowatt-hours of use at the first three rates. This final rate will stabilize the unit cost per kilowatt-hour at the average established at that consumption level. The low end-rate for commercial and power services will become effective only after 200 hours' use of demand rather than after 100 hours' use as in the past. This 200 hours' use per month will span the normal working time period in which the system peak occurs. Thus the revenue from commercial and power service customers for service over this period will be at the first two rates, only the energy supplied in excess of 200 hours' use of demand being supplied at the low final rate.

FINANCIAL AND STATISTICAL TABLES

Four statistical tables complete this section of the Report. The first two, designated Statements "A" and "B" and summarized on page 97, deal with financial aspects of the 350 municipal electrical utilities. These statements are the balance sheets and operating reports of the utilities alphabetically arranged for the Southern Ontario System and the Northern Ontario Properties. The other two statements give information on rates, customers, revenue, and consumption both for the 350 utilities and for the 29 Commission-owned local systems. Statement "C" gives resale rates for all municipal systems served by the Commission, alphabetically arranged. The statement has been adjusted to accommodate both the old and the new rate structures. Typical monthly bills for selected levels of consumption are also included as a convenient basis for

comparing the cost of service in different municipalities. Statement "D" gives information supplementary to that given in Statement "B" relative to customers, revenue, and consumption, both total and average per customer, for the three main classes of service. The municipalities served are listed in three groups based upon assessed population as recorded in the Municipal Directory for 1957 published by the Department of Municipal Affairs of Ontario.

MUNICIPAL ELECTRICAL UTILITIES

Year.....	1949	1950	1951
Number of municipalities included.....	315	321	324
A. BALANCE SHEETS			
FIXED ASSETS	\$	\$	\$
Plant and facilities at cost.....	136,745,778.92	156,148,063.73	173,722,456.91
Accumulated depreciation.....	43,893,598.38	46,310,558.56	48,087,416.88
Net fixed assets.....	92,852,180.54	109,837,505.19	125,635,040.03
CURRENT ASSETS			
Cash on hand and in bank.....	2,654,186.08	2,807,734.27	3,276,778.98
Investment in Government securities.....	24,109,961.67	19,706,944.56	16,291,592.69
Accounts receivable.....	4,878,682.68	6,922,076.43	7,727,032.69
Total current assets.....	31,642,830.43	29,436,755.26	27,295,404.36
OTHER ASSETS			
Inventory of stores.....	4,229,137.22	5,114,209.37	7,514,369.31
Sinking fund on local debentures.....	569,497.99	592,491.22	613,435.37
Miscellaneous.....	1,245,093.49	1,685,128.46	1,636,236.87
Total other assets.....	6,043,728.70	7,391,829.05	9,764,041.55
Equity in Ontario Hydro systems.....	100,051,662.98	108,475,000.19	118,269,170.96
Total.....	230,590,402.65	255,141,089.69	280,963,656.90
LIABILITIES			
Debentures outstanding.....	4,545,744.63	14,069,133.05	18,889,520.06
Accounts payable.....	6,610,040.55	7,377,031.22	9,738,476.39
Other.....	2,984,132.94	1,489,028.47	1,612,914.06
Total liabilities.....	14,139,918.12	22,935,192.74	30,240,910.51
RESERVES			
Equity in Ontario Hydro systems.....	100,051,662.98	108,475,000.19	118,269,170.96
Other.....	4,673,978.72	4,314,186.14	5,628,316.81
Total reserves.....	104,725,641.70	112,789,186.33	123,897,487.77
CAPITAL			
Debentures redeemed.....	55,525,205.90	56,534,877.64	59,434,311.73
Local sinking fund.....	569,497.99	592,491.22	613,435.37
Residual surplus.....	55,638,367.30	62,522,124.72	67,511,314.72
Frequency standardization expense charged this year.....	8,228.36	232,782.96	733,803.20
Total capital.....	111,724,842.83	119,416,710.62	126,825,258.62
Total.....	230,590,402.65	255,141,089.69	280,963,656.90
B. OPERATING STATEMENTS			
REVENUE			
Domestic, commercial, power.....	53,235,839.30	69,538,269.92	78,194,913.60
Street lighting.....	2,219,551.02	2,552,755.74	2,769,300.03
Other.....	1,447,810.41	1,432,505.92	1,347,467.29
Total revenue.....	56,903,200.73	73,523,531.58	82,311,680.92
EXPENSE			
Power—purchased.....	36,225,068.75	46,400,040.72	50,854,323.41
—generated.....	83,884.50	263,958.02	290,579.22
Operation and maintenance (excluding generation).....	6,829,358.35	7,889,232.85	8,886,579.22
Administration.....	5,154,758.32	6,153,793.83	7,283,471.66
Fixed charges—interest and principal.....	1,147,267.55	1,478,056.32	1,524,930.86
—depreciation.....	3,631,483.76	4,076,473.95	4,717,496.55
—other.....	634,690.02	1,769,378.03	87,225.06
Total expense.....	53,706,511.25	68,030,933.72	73,644,340.85
Surplus or deficit.....	3,196,689.48	5,492,597.86	8,667,340.07
Number of customers.....	796,482	867,916	904,880

CONSOLIDATED FINANCIAL STATEMENTS 1949-1956

1952	1953	1954	1955	1956
327	332	338	343	350
\$	\$	\$	\$	\$
193,795,885.58	214,595,382.62	243,525,699.63	267,090,751.95	298,832,206.56
50,985,328.59	54,282,571.38	58,973,785.70	62,413,110.91	66,539,420.46
142,810,556.99	160,312,811.24	184,551,913.93	204,677,641.04	232,292,786.10
4,667,729.07	4,884,136.41	7,376,868.68	9,277,807.16	9,858,535.71
11,542,720.01	10,716,658.76	16,361,137.42	17,392,469.04	15,512,896.26
7,386,627.75	10,298,699.00	10,695,798.63	9,939,403.37	12,776,466.24
23,597,076.83	25,899,494.17	34,433,804.73	36,609,679.57	38,147,898.21
8,001,402.81	7,527,843.57	7,413,229.39	7,900,466.07	9,681,857.72
388,409.83	410,806.10	383,453.60	383,750.82	290,682.53
1,889,668.76	2,393,860.10	3,465,796.88	2,323,308.16	2,399,183.97
10,279,481.40	10,332,509.77	11,262,479.87	10,607,525.05	12,371,724.22
128,655,935.37	140,068,856.95	152,461,822.48	167,250,921.01	183,262,708.26
305,343,050.59	336,613,672.13	382,710,021.01	419,145,766.67	466,075,116.79
24,159,238.87	29,827,723.36	45,645,050.80	49,776,906.68	58,528,556.65
10,375,202.49	10,943,035.08	11,090,473.03	10,574,521.87	11,633,156.25
1,762,832.81	2,224,181.11	2,843,741.81	3,493,146.55	3,910,276.02
36,297,274.17	42,994,939.55	59,579,265.64	63,844,575.10	74,071,988.92
128,655,935.37	140,068,856.95	152,461,822.48	167,250,921.01	183,262,708.26
8,008,751.79	8,153,000.71	8,095,704.58	7,765,477.57	6,948,235.70
136,664,687.16	148,221,857.66	160,557,527.06	175,016,398.58	190,210,943.96
60,260,350.13	61,417,714.38	64,210,219.78	66,488,672.46	69,338,989.80
388,409.83	410,806.10	383,453.60	383,750.82	290,682.53
72,374,287.61	83,934,775.30	98,687,493.41	114,727,111.58	132,983,133.97
641,958.31	366,420.86	707,938.48	1,314,741.87	820,622.39
132,381,089.26	145,396,874.92	162,573,228.31	180,284,792.99	201,792,183.91
305,343,050.59	336,613,672.13	382,710,021.01	419,145,766.67	466,075,116.79
85,692,880.05	104,315,090.16	115,524,224.33	125,492,967.41	138,005,827.59
3,051,561.67	3,681,919.79	3,986,609.82	4,317,330.66	4,623,264.40
1,314,597.74	1,257,311.65	1,345,281.13	1,457,198.85	1,554,347.50
90,059,039.46	109,254,321.50	120,856,115.28	131,267,496.92	144,183,439.49
55,583,500.98	69,750,629.67	75,589,512.37	79,779,898.37	87,344,024.25
322,179.19	319,743.95	426,606.00	459,594.45	501,385.94
9,918,638.33	10,674,896.91	11,527,269.43	12,076,619.71	13,406,954.68
7,645,805.56	8,236,239.48	9,299,704.59	9,896,805.15	11,015,893.46
1,981,386.38	2,400,468.01	3,242,705.07	4,216,876.80	4,744,936.63
5,293,508.78	5,832,594.43	6,547,361.07	7,193,494.56	7,709,546.19
71,211.41	147,082.99	141,824.01	144,120.97	59,373.64
80,816,230.63	97,361,655.44	106,774,982.54	113,767,410.01	124,782,114.79
9,242,808.83	11,892,666.06	14,081,132.74	17,500,086.91	19,401,324.70
941,975	986,144	1,045,742	1,089,835	1,153,371

Municipal Electrical Utilities Financial

Southern Ontario System

Municipality.....	Acton	Ailsa Craig	Ajax	Alexandria	Alfred
Population.....	3,728	517	5,777	2,412	980
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	228,356.99	34,678.39	490,011.59	206,103.96	49,318.67
Accumulated depreciation.....	19,418.59	3,490.08	80,621.01	41,135.73	12,132.44
Net fixed assets.....	208,938.40	31,188.31	409,390.58	164,968.23	37,186.23
CURRENT ASSETS					
Cash on hand and in bank.....	12,490.59	4,633.51	108,867.15	6,307.50	12,141.06
Investment in Government securities.....	2,000.00			13,000.00	
Accounts receivable.....	5,816.64	1,205.91	7,703.01	2,001.77	4,815.91
Total current assets.....	20,307.23	5,839.42	116,570.16	21,309.27	16,956.97
OTHER ASSETS					
Inventory of stores.....	7,878.84		23,227.48	9,599.75	
Sinking fund on local debentures.....					
Miscellaneous.....	398.38				
Total other assets.....	8,277.22		23,227.48	9,599.75	
Equity in Ontario Hydro systems.....	258,567.05	41,103.95		91,239.34	674.21
Total	496,089.90	78,131.68	549,188.22	287,116.59	54,817.41
LIABILITIES					
Debentures outstanding.....	32,800.00		350,000.00	10,587.33	37,000.00
Accounts payable.....	20,773.10	4,808.00	3,947.62	217.68	1,393.39
Other.....	3,273.85	160.00	32,731.49	3,041.68	1,400.00
Total liabilities.....	56,846.95	4,968.00	386,679.11	13,846.69	39,793.39
RESERVES					
Equity in Ontario Hydro systems.....	258,567.05	41,103.95		91,239.34	674.21
Other.....	1,493.92		19,396.93		1,564.37
Total reserves.....	260,060.97	41,103.95	19,396.93	91,239.34	2,238.58
CAPITAL					
Debentures redeemed.....	16,700.00	6,883.38		43,711.90	1,000.00
Local sinking fund.....					
Residual surplus.....	162,481.98	25,176.35	143,112.18	138,318.66	11,785.44
Frequency standardization expense charged this year.....					
Total capital.....	179,181.98	32,059.73	143,112.18	182,030.56	12,785.44
Total	496,089.90	78,131.68	549,188.22	287,116.59	54,817.41
B. OPERATING STATEMENTS					
REVENUE			7 months' operation		
Domestic, commercial, power.....	186,388.11	16,253.85	157,859.29	68,135.69	21,603.33
Street lighting.....	5,663.40	786.00	2,739.00	2,792.66	1,357.33
Other.....	1,061.97	12.42	345.21	4,632.03	162.17
Total revenue	193,113.48	17,052.27	160,943.50	75,560.38	23,122.83
EXPENSE					
Power—purchased.....	141,018.54	10,993.30	95,954.03	46,844.04	8,785.67
—generated.....					
Operation and maintenance (excluding generation).....	10,397.16	1,677.46	12,772.43	4,401.95	1,359.46
Administration.....	8,563.27	752.17	21,671.11	7,016.66	2,082.58
Fixed charges—interest and principal.....	3,470.18		18,562.75	2,072.07	3,145.72
—depreciation.....	4,798.00	779.00	4,380.00	5,508.00	1,354.00
—other.....					
Total expense	168,247.15	14,201.93	153,340.32	65,842.72	16,727.43
Surplus or deficit	24,866.33	2,850.34	7,603.18	9,717.66	6,395.40
Number of customers.....	1,254	217	1,680	807	281

Statements for the Year Ended December 31, 1956

Alliston 2,836	Almonte 2,819	Alvinston 636	Amherstburg 4,090	Ancaster Twp. 10,794	Apple Hill 400	Arkona 427
\$ 144,083.26 25,322.34	\$ 304,510.59 74,865.75	\$ 47,765.42 13,462.84	\$ 241,619.65 61,937.54	\$ 206,381.50 18,887.23	\$ 15,661.13 3,409.33	\$ 34,818.67 7,839.66
118,760.92	229,644.84	34,302.58	179,682.11	187,494.27	12,251.80	26,979.01
.....	17,215.82	5,425.54	11,013.16	1,665.90	6,595.22	2,306.71
22,000.00	52,000.00	3,500.00	18,000.00	.....	1,000.00	4,000.00
4,136.20	2,626.79	270.78	3,309.55	1,470.53	212.74	207.92
26,136.20	71,842.61	9,196.32	32,322.71	3,136.43	7,807.96	6,514.63
8,913.76	8,316.24	.....	10,285.75	.....	.....	.....
.....
.....	.....	1,630.61	136.85	14,211.07	.....	478.02
8,913.76	8,316.24	1,630.61	10,422.60	14,211.07	.....	478.02
86,970.18	25,611.62	40,712.95	199,708.76	71,454.15	9,422.90	21,164.82
240,781.06	335,415.31	85,842.46	422,136.18	276,295.92	29,482.66	55,136.48
.....	.....	.....	18,500.00	98,718.73	.....	.....
4,526.62	5,292.64	348.14	1,558.32	321.41	1,041.07	236.63
2,956.96	915.78	49.00	3,191.16	753.32	5.00	20.00
7,483.58	6,208.42	397.14	23,249.48	99,793.46	1,046.07	256.63
86,970.18	25,611.62	40,712.95	199,708.76	71,454.15	9,422.90	21,164.82
100.00	1,663.00	15.28	416.62	590.08	.....	.....
87,070.18	27,274.62	40,728.23	200,125.38	72,044.23	9,422.90	21,164.82
29,989.55	72,000.00	23,529.24	38,553.60	30,391.55	5,080.12	13,112.83
116,237.75	229,932.27	21,187.85	160,329.17	74,066.68	13,933.57	20,602.20
.....	.....	.....	121.45	.....	.....	.....
146,227.30	301,932.27	44,717.09	198,761.32	104,458.23	19,013.69	33,715.03
240,781.06	335,415.31	85,842.46	422,136.18	276,295.92	29,482.66	55,136.48
73,000.14	78,506.15	13,926.05	166,856.96	92,327.59	4,686.95	15,335.42
2,486.90	4,288.54	1,715.00	7,946.17	2,198.00	511.04	865.00
681.38	7,042.79	108.61	855.89	1,018.50	61.86	148.68
76,168.42	89,837.48	15,749.66	175,659.02	95,544.09	5,259.85	16,349.10
52,364.92	32,514.07	8,827.05	115,299.09	60,520.48	2,851.63	9,116.15
.....	14,416.73	.....	.....	.....	.....	.....
11,493.31	6,072.50	1,572.68	12,989.75	9,342.37	973.62	1,759.92
5,199.61	9,578.82	1,195.15	11,162.78	5,735.44	554.94	1,097.37
.....	.....	.....	3,550.00	9,083.82	.....	2.00
3,614.00	8,005.00	1,412.00	6,827.00	4,417.00	418.00	986.00
.....
72,671.84	70,587.12	13,006.88	149,828.62	89,099.11	4,798.19	12,961.44
3,496.58	19,250.36	2,742.78	25,830.40	6,444.98	461.66	3,387.66
939	990	330	1,335	959	121	184

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Arnprior	Arthur	Athens	Aurora	Aylmer
Population.....	5,375	1,138	933	3,858	4,258
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	334,226.23	72,563.82	48,130.37	226,984.32	219,452.85
Accumulated depreciation.....	24,088.16	17,877.48	7,057.70	50,475.75	60,066.02
Net fixed assets.....	310,138.07	54,686.34	41,072.67	176,508.57	159,386.83
CURRENT ASSETS					
Cash on hand and in bank.....		13,819.83	1,847.67	51,626.52	5,963.71
Investment in Government securities.....		14,000.00	21,000.00		
Accounts receivable.....	891.46	530.16	2,807.15	1,678.12	5,430.91
Total current assets.....	891.46	28,349.99	25,654.82	53,304.64	11,394.62
OTHER ASSETS					
Inventory of stores.....	4,864.26			670.51	23.04
Sinking fund on local debentures.....					
Miscellaneous.....					776.13
Total other assets.....	4,864.26			670.51	799.17
Equity in Ontario Hydro systems.....	109,789.25	56,530.69	22,417.06	89,233.71	173,965.24
Total.....	425,683.04	139,567.02	89,144.55	319,717.43	345,545.86
LIABILITIES					
Debentures outstanding.....	60,684.43	247.82			
Accounts payable.....	15,302.25		512.22	404.94	4,046.56
Other.....	5,032.89	622.80	70.00	4,006.47	3,039.66
Total liabilities.....	81,019.57	870.62	582.22	4,411.41	7,086.22
RESERVES					
Equity in Ontario Hydro systems.....	109,789.25	56,530.69	22,417.06	89,233.71	173,965.24
Other.....	2,237.75		206.06	131.74	336.82
Total reserves.....	112,027.00	56,530.69	22,623.12	89,365.45	174,302.06
CAPITAL					
Debentures redeemed.....	64,784.70	24,752.18	12,988.39		38,701.92
Local sinking fund.....					
Residual surplus.....	167,851.77	57,413.53	52,950.82	225,940.57	125,455.66
Frequency standardization expense charged this year.....					
Total capital.....	232,636.47	82,165.71	65,939.21	225,940.57	164,157.58
Total.....	425,683.04	139,567.02	89,144.55	319,717.43	345,545.86
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	166,113.76	33,518.99	13,540.09	152,384.05	149,553.60
Street lighting.....	10,228.42	2,387.66	1,091.00	6,960.52	6,420.00
Other.....	1,416.62	546.20	736.34	5,375.02	648.73
Total revenue.....	177,758.80	36,452.85	15,367.43	164,719.59	156,622.33
EXPENSE					
Power—purchased.....	146,074.19	20,964.98	9,750.16	100,663.60	117,910.21
—generated.....					
Operation and maintenance (excluding generation).....	4,699.28	2,758.22	877.89	13,697.21	7,851.99
Administration.....	7,777.01	2,112.67	1,141.53	14,595.25	9,144.37
Fixed charges—interest and principal.....	6,246.88	262.43			260.13
—depreciation.....	6,658.00	2,035.00	1,189.00	5,795.00	6,148.00
—other.....				89.29	100.00
Total expense.....	171,455.36	28,133.30	12,958.58	134,840.35	141,414.70
Surplus or deficit.....	6,303.44	8,319.55	2,408.85	29,879.24	15,207.63
Number of customers.....	1,549	463	333	1,446	1,487

Statements for the Year Ended December 31, 1956

Ayr	Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville
925	795	2,200	18,028	1,456	589	804
\$ 63,710.00 11,044.37	\$ 54,479.20 6,000.56	\$ 193,937.73 42,947.97	\$ 1,149,354.40 287,736.49	\$ 64,659.15 2,063.41	\$ 49,615.00 7,515.76	\$ 60,176.05 18,286.74
52,665.63	48,478.64	150,989.76	861,617.91	62,595.74	42,099.24	41,889.31
.....	1,548.82	2,506.10	150.00	6,163.41	2,145.41	10,836.33
13,000.00	6,500.00	.....	.....	.....	.....	21,000.00
1,974.98	2,828.63	742.27	27,966.00	2,189.39	420.87	4,228.60
14,974.98	10,877.45	3,248.37	28,116.00	8,352.80	2,566.28	36,064.93
.....	.....	6,256.10	25,242.39	.....	.....	.....
.....
2,010.42	20.00	331.00	130.16	.....	.....	706.12
2,010.42	20.00	6,587.10	25,372.55	.....	.....	706.12
48,948.27	91,052.79	6,907.54	584,407.41	4,385.21	9,688.51	129,993.62
118,599.30	150,428.88	167,732.77	1,499,513.87	75,333.75	54,354.03	208,653.98
.....	.....	26,250.00	.....	512.29	10,000.00	.....
4,777.70	3,701.58	2,152.98	38,780.79	1,562.98	1,737.55	308.88
159.64	20.00	479.50	11,028.99	200.00	458.00	335.00
4,937.34	3,721.58	28,882.48	49,809.78	2,275.27	12,195.55	643.88
48,948.27	91,052.79	6,907.54	584,407.41	4,385.21	9,688.51	129,993.62
.....	.....	.....	500.00	.....	175.00	194.96
48,948.27	91,052.79	6,907.54	584,907.41	4,385.21	9,863.51	130,188.58
17,503.38	5,000.00	41,250.00	65,365.68	9,487.71	7,500.00	5,536.66
47,210.31	50,654.51	90,692.75	799,431.00	59,185.56	24,794.97	72,284.86
.....
64,713.69	55,654.51	131,942.75	864,796.68	68,673.27	32,294.97	77,821.52
118,599.30	150,428.88	167,732.77	1,499,513.87	75,333.75	54,354.03	208,653.98
28,704.53	21,267.84	40,436.06	573,841.85	20,387.80	14,661.10	74,432.22
2,194.00	1,513.49	1,805.46	10,909.30	1,870.00	647.18	1,180.00
678.16	270.74	38.13	6,556.27	21.24	77	361.59
31,576.69	23,052.07	42,279.65	591,307.42	22,279.04	15,309.05	75,973.81
21,358.30	14,845.46	16,496.89	356,853.17	9,752.63	8,809.60	54,883.11
.....	.....	3,554.74	.....	.....	.....	.....
3,256.53	2,143.62	2,343.51	64,478.82	2,412.51	394.21	3,296.03
2,010.19	1,459.40	4,006.47	35,900.93	1,494.96	1,766.61	1,337.40
2.21	.....	3,589.69	505.79	1,065.45	175.00	.....
1,534.00	1,237.00	5,073.00	31,865.73	1,678.00	1,266.00	1,826.00
.....	.....	.....	.....	.....	.....	150.00
28,161.23	19,685.48	35,064.30	489,604.44	16,403.55	12,411.42	61,492.54
3,415.46	3,366.59	7,215.35	101,702.98	5,875.49	2,897.63	14,481.27
354	247	528	5,517	364	245	280

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Beamsville	Beaverton	Beeton	Belle River	Belleville
Population.....	2,111	1,041	665	1,752	20,673
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	88,324.24	79,936.67	51,269.80	88,482.49	1,046,674.23
Accumulated depreciation.....	18,378.44	17,793.75	5,918.78	19,607.27	195,427.79
Net fixed assets.....	69,945.80	62,142.92	45,351.02	68,875.22	851,246.44
CURRENT ASSETS					
Cash on hand and in bank.....	9,095.23	5,417.24	2,833.99	10,058.91	48,041.88
Investment in Government securities.....	7,000.00		1,000.00	2,000.00	205,000.00
Accounts receivable.....	733.22	53.64	211.66	865.40	44,402.79
Total current assets.....	16,828.45	5,470.88	4,045.65	12,924.31	297,444.67
OTHER ASSETS					
Inventory of stores.....		84.87		1,080.85	35,891.65
Sinking fund on local debentures.....					75.00
Miscellaneous.....	399.00			119.50	
Total other assets.....	399.00	84.87		1,200.35	35,966.65
Equity in Ontario Hydro systems.....	46,975.48	62,339.92	42,066.22	41,080.89	779,105.94
Total.....	134,148.73	130,038.59	91,462.89	124,080.77	1,963,763.70
LIABILITIES					
Debentures outstanding.....				8,900.00	
Accounts payable.....	1,609.54	789.35	1,170.31	2,622.12	
Other.....	909.83	545.05	280.00	665.00	28,223.02
Total liabilities.....	2,519.37	1,334.40	1,450.31	12,187.12	28,223.02
RESERVES					
Equity in Ontario Hydro systems.....	46,975.48	62,339.92	42,066.22	41,080.89	779,105.94
Other.....		370.00	86.50	922.50	3,254.58
Total reserves.....	46,975.48	62,709.92	42,152.72	42,003.39	782,360.52
CAPITAL					
Debentures redeemed.....	37,500.00	12,839.34	13,610.31	11,600.00	174,997.19
Local sinking fund.....					
Residual surplus.....	47,153.88	53,154.93	34,249.55	58,290.26	978,182.97
Frequency standardization expense charged this year.....					
Total capital.....	84,653.88	65,994.27	47,859.86	69,890.26	1,153,180.16
Total.....	134,148.73	130,038.59	91,462.89	124,080.77	1,963,763.70
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	67,684.31	45,919.58	21,575.89	43,497.38	603,838.76
Street lighting.....	2,991.02	2,658.25	2,085.50	2,616.00	18,367.64
Other.....	210.00	398.65	36.54	75.28	23,805.08
Total revenue.....	70,885.33	48,976.48	23,697.93	46,188.66	646,011.48
EXPENSE					
Power—purchased.....	53,613.18	32,399.53	13,301.89	23,085.67	442,089.46
—generated.....					
Operation and maintenance (excluding generation).....	2,716.58	3,635.05	1,691.83	5,428.94	44,035.87
Administration.....	5,120.67	3,919.47	1,122.11	4,842.32	47,237.36
Fixed charges—interest and principal.....		4.01		1,572.50	
—depreciation.....	2,408.00	2,193.00	1,207.00	2,373.00	26,668.00
—other.....				150.00	
Total expense.....	63,858.43	42,151.06	17,322.83	37,452.43	560,030.69
Surplus or deficit.....	7,026.90	6,825.42	6,375.10	8,736.23	85,980.79
Number of customers.....	770	510	281	652	7,026

Statements for the Year Ended December 31, 1956

Blenheim	Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville
2,769	756	741	1,180	1,186	788	6,634
\$ 213,374.16 17,506.25	\$ 50,048.05 14,165.07	\$ 57,295.68 5,835.74	\$ 182,044.99 48,474.74	\$ 75,309.89 12,805.43	\$ 43,727.94 13,745.05	\$ 520,704.15 129,382.55
195,867.91	35,882.98	51,459.94	133,570.25	62,504.46	29,982.89	391,321.60
25.00	7,272.88	230.41	1,144.55	2,538.30	.....	26,739.16
.....	23,500.00	2,000.00	5,000.00	.....	6,000.00	100,000.00
517.87	318.10	235.19	2,477.37	1,319.78	641.90	4,202.21
542.87	31,090.98	2,465.60	8,621.92	3,858.08	6,641.90	130,941.37
1,063.24	.....	.....	4,599.54	1,212.39	.....	13,446.12
.....
12,518.17	.....	44.00	.....	66.84	4,186.70	.....
13,581.41	.....	44.00	4,599.54	1,279.23	4,186.70	13,446.12
120,548.35	24,116.19	35,753.06	12,259.33	53,350.88	46,662.16	298,849.92
330,540.54	91,090.15	89,722.60	159,051.04	120,992.65	87,473.65	834,559.01
49,719.70	.....	.....	9,020.93	9,664.18	.....	.....
12,362.22	19,046.26	397.26	746.85	6,470.27	1,056.38	469.00
735.00	449.00	237.89	285.00	821.73	96.88	3,823.00
62,816.92	19,495.26	635.15	10,052.78	16,956.18	1,153.26	4,292.00
120,548.35	24,116.19	35,753.06	12,259.33	53,350.88	46,662.16	298,849.92
4,309.46	.....	.....	.....	657.08	.....	.....
124,857.81	24,116.19	35,753.06	12,259.33	54,007.96	46,662.16	298,849.92
24,280.30	9,796.58	16,032.52	80,979.07	12,835.82	5,534.19	71,000.00
.....
128,645.19	37,682.12	37,301.87	55,759.86	37,192.69	34,124.04	460,417.09
10,059.68	.....	.....	.....	.....	.....	.....
142,865.81	47,478.70	53,334.39	136,738.93	50,028.51	39,658.23	531,417.09
330,540.54	91,090.15	89,722.60	159,051.04	120,992.65	87,473.65	834,559.01
81,860.06	17,603.42	29,245.81	35,573.43	32,964.18	18,711.56	232,612.79
6,800.71	1,275.00	1,480.28	3,729.66	1,328.97	1,819.98	10,550.85
2,784.23	916.30	190.69	644.58	76.38	312.93	4,633.08
91,445.00	19,794.72	30,916.78	39,947.67	34,369.53	20,844.47	247,796.72
47,903.82	13,851.19	20,633.37	18,988.49	24,773.97	14,366.51	159,070.51
.....	.....	.....	90.01	.....	.....	.....
7,997.89	2,127.11	3,016.48	5,127.52	2,630.32	909.14	19,478.94
10,159.82	1,575.62	1,697.68	5,297.72	2,916.64	1,150.23	12,602.60
6,445.17	.28	33.56	4,783.81	738.42	1.25	.....
5,270.00	614.00	1,283.00	2,434.00	1,792.00	1,337.00	14,646.00
.....
77,776.70	18,168.20	26,664.09	36,721.55	32,851.35	17,764.13	205,798.05
13,668.30	1,626.52	4,252.69	3,226.12	1,518.18	3,080.34	41,998.67
1,038	298	323	652	452	304	2,280

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Bracebridge	Bradford	Braeside	Brampton	Brantford
Population.....	2,810	2,068	475	13,009	51,101
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	606,399.54	175,826.61	20,943.22	832,078.49	3,844,670.32
Accumulated depreciation.....	173,900.13	22,977.87	1,122.47	77,475.92	916,795.92
Net fixed assets.....	432,499.41	152,848.74	19,820.75	754,602.57	2,927,874.40
CURRENT ASSETS					
Cash on hand and in bank.....	3,427.96	11,098.25	515.27	4,807.49	12,625.10
Investment in Government securities.....		10,500.00		1,500.00	61,000.00
Accounts receivable.....	7,947.24	8,136.85	1,727.67	56,067.24	111,560.58
Total current assets.....	11,375.20	29,735.10	2,242.94	62,374.73	185,185.68
OTHER ASSETS					
Inventory of stores.....	12,126.80	8,888.20		32,154.30	91,703.74
Sinking fund on local debentures.....					
Miscellaneous.....	33,961.48	429.25		435.99	130,528.63
Total other assets.....	46,088.28	9,317.45		32,590.29	222,232.37
Equity in Ontario Hydro systems.....		66,575.24	9,322.83	551,438.57	3,190,845.19
Total	489,962.89	258,476.53	31,386.52	1,401,006.16	6,526,137.64
LIABILITIES					
Debentures outstanding.....	147,655.64		2,972.34	332,000.00	716,817.45
Accounts payable.....	50,000.00	356.85	945.98	9,846.37	36,118.13
Other.....	830.00	1,736.34	180.00	5,668.00	47,800.10
Total liabilities.....	198,485.64	2,093.19	4,098.32	347,514.37	800,735.68
RESERVES					
Equity in Ontario Hydro systems.....		66,575.24	9,322.83	551,438.57	3,190,845.19
Other.....		100.00		3,630.85	17,918.27
Total reserves.....		66,675.24	9,322.83	555,069.42	3,208,763.46
CAPITAL					
Debentures redeemed.....	198,144.36	23,351.06	3,027.66	87,050.64	736,296.45
Local sinking fund.....					
Residual surplus.....	93,332.89	166,357.04	14,937.71	411,371.73	1,780,342.05
Frequency standardization expense charged this year.....					
Total capital.....	291,477.25	189,708.10	17,965.37	498,422.37	2,516,638.50
Total	489,962.89	258,476.53	31,386.52	1,401,006.16	6,526,137.64
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	109,016.74	73,571.61	14,449.00	408,483.10	1,793,128.76
Street lighting.....	3,500.00	3,722.00	570.00	13,877.78	63,725.91
Other.....	1,465.64	827.01	408.32	2,714.34	13,214.66
Total revenue	113,982.38	78,120.62	15,427.32	425,075.22	1,870,069.33
EXPENSE					
Power—purchased.....	9,500.47	41,475.70	12,894.36	273,213.13	1,270,172.40
—generated.....	31,330.92				
Operation and maintenance (excluding generation).....	14,515.60	7,180.63	253.70	15,333.48	120,494.41
Administration.....	8,389.31	6,988.06	616.79	12,337.73	79,003.86
Fixed charges—interest and principal	15,513.02		449.16	20,346.69	70,195.45
—depreciation.....	13,802.00	3,916.00	460.00	17,021.00	97,094.00
—other.....				600.00	
Total expense	93,051.32	59,560.39	14,674.01	338,852.03	1,636,960.12
Surplus or deficit	20,931.06	18,560.23	753.31	86,223.19	233,109.21
Number of customers.....	1,226	709	150	3,925	16,589

Statements for the Year Ended December 31, 1956

Brantford Twp. 6,156	Brechin 216	Bridgeport 1,437	Brigden 499	Brighton 2,129	Brockville 14,810	Bronte 2,056
\$ 676,175.69 184,846.19	\$ 9,799.82 2,139.43	\$ 69,189.47 12,685.48	\$ 37,334.60 7,712.63	\$ 120,436.26 9,356.14	\$ 1,016,584.43 239,378.62	\$ 117,245.57 10,105.80
491,329.50	7,660.39	56,503.99	29,621.97	111,080.12	777,205.81	107,139.77
41,707.36	2,640.82	7,928.67	3,386.32	7,444.96	.....	1,904.86
.....	12,000.00	.....	.....	10,000.00	12,000.00	.....
5,243.66	83.21	457.87	204.06	889.40	19,229.83	2,457.26
46,951.02	14,724.03	8,386.54	3,590.38	18,334.36	31,229.83	4,362.12
25,091.51	.....	.....	.....	6,804.29	12,658.54	2,661.91
.....
1,207.24	.....	22.00	.....	.....	589.64	45.30
26,298.75	.....	22.00	.....	6,804.29	13,248.18	2,707.21
9,974.35	18,574.09	29,691.70	32,190.59	56,684.43	683,798.66	9,155.06
574,553.62	40,958.51	94,604.23	65,402.94	192,903.20	1,505,482.48	123,364.16
507,532.30	.....	19,600.00	.....	.....	.....	34,700.00
8,412.69	118.94	450.60	.....	.....	59,369.08	558.19
1,121.74	65.00	771.31	95.00	2,191.88	9,763.21	2,260.41
517,066.73	183.94	20,821.91	95.00	2,191.88	69,132.29	37,518.60
9,974.35	18,574.09	29,691.70	32,190.59	56,684.43	683,798.66	9,155.06
15,760.00	53.93	744.25	.....	.....	1,163.89	353.13
25,734.35	18,628.02	30,435.95	32,190.59	56,684.43	684,962.55	9,508.19
6,479.46	2,664.00	12,768.03	8,000.00	25,000.00	174,869.92	4,300.00
.....
25,273.08	19,482.55	30,578.34	25,117.35	109,026.89	576,517.72	72,037.37
.....
31,752.54	22,146.55	43,346.37	33,117.35	134,026.89	751,387.64	76,337.37
574,553.62	40,958.51	94,604.23	65,402.94	192,903.20	1,505,482.48	123,364.16
157,648.25	6,200.97	34,860.41	12,366.56	68,688.16	526,413.01	46,984.91
706.00	360.00	1,677.00	1,076.00	2,996.50	11,525.76	2,491.21
437.59	335.00	170.79	58.14	577.75	6,339.83	5.86
158,791.84	6,895.97	36,708.20	13,500.70	72,262.41	544,278.60	49,481.98
79,072.34	4,047.13	23,369.61	8,210.00	38,467.94	331,986.36	25,972.43
.....
13,294.39	657.51	1,958.19	1,926.44	6,148.22	53,518.41	5,048.82
15,019.91	594.00	2,631.83	1,259.59	6,828.20	43,602.74	5,457.16
26,640.47	2.10	1,199.85	.....	.....	106.27	3,421.76
13,167.00	261.00	1,882.00	1,013.00	2,548.00	23,984.00	2,586.00
.....	.....	.....	.....	.....	.....	117.46
147,194.11	5,561.74	31,041.48	12,409.03	53,992.36	453,197.78	42,603.63
11,597.73	1,334.23	5,666.72	1,091.67	18,270.05	91,080.82	6,878.35
1,753	93	400	212	918	4,686	632

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Brussels	Burford	Burgessville	Burk's Falls	Burlington
Population.....	803	987	238	861	9,165
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	52,657.72	53,515.58	16,837.81	66,715.05	563,557.57
Accumulated depreciation.....	5,293.78	14,200.79	5,796.74	8,251.17	53,295.66
Net fixed assets.....	47,363.94	39,314.79	11,041.07	58,463.88	510,261.91
CURRENT ASSETS					
Cash on hand and in bank.....	2,265.06		2,282.43	7,127.36	33,370.80
Investment in Government securities.....		3,500.00	1,500.00		38,100.00
Accounts receivable.....	2,145.47	678.88	35.10	643.95	2,683.60
Total current assets.....	4,410.53	4,178.88	3,817.53	7,771.31	74,154.40
OTHER ASSETS					
Inventory of stores.....		73.51		149.79	15,709.03
Sinking fund on local debentures.....					
Miscellaneous.....	94.00	122.00	25.00		336.21
Total other assets.....	94.00	195.51	25.00	149.79	16,045.24
Equity in Ontario Hydro systems.....	44,271.37	47,186.61	16,182.01	6,283.19	111,384.11
Total.....	96,139.84	90,875.79	31,065.61	72,668.17	711,845.66
LIABILITIES					
Debentures outstanding.....				20,889.10	136,182.00
Accounts payable.....	866.60	1,475.73	132.84	49.50	2,534.74
Other.....	140.25	139.30	5.00	185.00	18,520.95
Total liabilities.....	1,006.85	1,615.03	137.84	21,123.60	157,237.69
RESERVES					
Equity in Ontario Hydro systems....	44,271.37	47,186.61	16,182.01	6,283.19	111,384.11
Other.....				100.00	
Total reserves.....	44,271.37	47,186.61	16,182.01	6,383.19	111,384.11
CAPITAL					
Debentures redeemed.....	21,000.00	9,000.00	3,500.00	14,110.90	124,318.00
Local sinking fund.....					
Residual surplus.....	29,861.62	33,074.15	11,245.76	31,050.48	319,654.65
Frequency standardization expense charged this year.....					748.79
Total capital.....	50,861.62	42,074.15	14,745.76	45,161.38	443,223.86
Total.....	96,139.84	90,875.79	31,065.61	72,668.17	711,845.66
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	27,511.28	27,884.33	7,903.22	23,998.91	339,861.02
Street lighting.....	1,296.00	1,508.52	432.00	2,430.00	12,348.68
Other.....	20.34	167.18	46.95	226.47	2,041.15
Total revenue.....	28,827.62	29,560.03	8,382.17	26,655.38	354,250.85
EXPENSE					
Power—purchased.....	21,646.36	22,773.57	6,434.52	15,369.00	213,706.85
—generated.....					
Operation and maintenance (excluding generation).....	2,547.62	2,436.34	831.40	2,232.83	26,659.34
Administration.....	2,355.45	1,762.54	364.71	2,523.16	34,386.22
Fixed charges—interest and principal.....		3.00		3,038.88	17,744.33
—depreciation.....	1,209.00	1,529.00	328.00	1,473.00	11,604.00
—other.....					
Total expense.....	27,758.43	28,504.45	7,958.63	24,636.87	304,100.74
Surplus or deficit.....	1,069.19	1,055.58	423.54	2,018.51	50,150.11
Number of customers.....	375	375	98	316	3,276

Statements for the Year Ended December 31, 1956

Caledonia	Campbellville	Cannington	Cardinal	Carleton Place	Casselman	Cayuga
2,061	320	915	1,945	4,674	1,240	793
\$	\$	\$	\$	\$	\$	\$
107,260.08	13,384.77	56,168.07	58,360.16	197,265.14	74,862.28	71,198.26
16,473.91	3,029.15	14,530.51	9,038.56	37,373.23	5,068.99	10,838.57
90,786.17	10,355.62	41,637.56	49,321.60	159,891.91	69,793.29	60,359.69
6,222.68	1,896.51	1,887.77	2,899.41	.....	9,766.34	2,499.14
200.00	500.00	6,000.00	1,500.00	26,500.00	6,000.00	22,500.00
2,398.76	146.43	548.87	591.12	2,391.91	1,496.91	276.31
8,821.44	2,542.94	8,436.64	4,990.53	28,891.91	17,263.25	25,275.45
7,164.95	.....	610.98	.....	6,500.39	.....	209.19
265.00	.....	300.00	.....	419.75	.....	1,331.36
7,429.95	.....	910.98	.....	6,920.14	.....	1,540.55
72,336.75	9,919.89	48,076.67	35,931.08	261,426.91	4,012.97	32,584.01
179,374.31	22,818.45	99,061.85	90,243.21	457,130.87	91,069.51	119,759.70
5,500.00	.....	.....	.....	.....	60,000.00	.....
128.25	202.41	1,715.52	.....	16,322.75	578.53	1,140.03
905.69	.....	230.00	.....	2,670.85	10.00	595.43
6,533.94	202.41	1,945.52	.....	18,993.60	60,588.53	1,735.46
72,336.75	9,919.89	48,076.67	35,931.08	261,426.91	4,012.97	32,584.01
332.29	.....	58.94	.....	.....	.....	111.83
72,669.04	9,919.89	48,135.61	35,931.08	261,426.91	4,012.97	32,695.84
10,124.00	5,447.77	14,532.42	11,014.20	58,116.83	10,000.00	20,000.00
90,047.33	7,248.38	34,448.30	43,297.93	118,593.53	16,468.01	65,328.40
.....
100,171.33	12,696.15	48,980.72	54,312.13	176,710.36	26,468.01	85,328.40
179,374.31	22,818.45	99,061.85	90,243.21	457,130.87	91,069.51	119,759.70
50,889.53	6,689.64	28,649.44	39,055.08	129,649.68	29,927.25	22,521.33
4,242.50	372.00	1,993.58	1,408.02	6,970.25	1,890.00	2,909.16
122.05	18.09	270.53	264.75	1,349.29	194.48	696.15
55,254.08	7,079.73	30,913.55	40,727.85	137,969.22	32,011.73	26,126.64
31,440.82	5,128.55	22,130.30	28,762.57	109,434.17	14,627.29	11,821.47
4,326.69	132.83	2,524.89	2,394.38	14,258.87	1,036.98	3,686.20
5,344.38	275.51	2,892.53	2,334.23	16,359.82	2,544.74	4,143.10
1,286.27	.....	3.21	.....	.....	5,625.00	.....
2,656.00	370.00	1,680.00	1,398.00	5,059.00	1,483.00	1,760.00
45,054.16	5,906.89	29,230.93	34,889.18	145,111.86	25,317.01	21,410.77
10,199.92	1,172.84	1,682.62	5,838.67	7,142.64	6,694.72	4,715.87
761	87	428	614	1,650	345	334

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Chatham	Chatsworth	Chesley	Chesterville	Chippawa
Population.....	22,658	401	1,623	1,208	2,033
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	2,188,166.33	24,961.15	94,853.92	58,562.17	101,462.45
Accumulated depreciation.....	389,176.07	6,142.28	28,683.10	11,325.07	21,822.77
Net fixed assets.....	1,798,990.26	18,818.87	66,170.82	47,237.10	79,639.68
CURRENT ASSETS					
Cash on hand and in bank.....	50.00	6,964.29	9,572.58	5,119.81	58.75
Investment in Government securities.....	100,000.00	3,000.00	12,000.00	6,000.00	.....
Accounts receivable.....	116,846.28	146.56	559.34	2,624.28	151.33
Total current assets.....	216,896.28	10,110.85	22,131.92	13,744.09	210.08
OTHER ASSETS					
Inventory of stores.....	80,556.04	.....	506.39	.....	1,047.70
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	20,541.74	.....	.....	.....	77.46
Total other assets.....	101,097.78	.....	506.39	.....	1,125.16
Equity in Ontario Hydro systems.....	1,289,833.30	17,298.73	112,340.72	80,401.84	54,568.48
Total.....	3,406,817.62	46,228.45	201,149.85	141,383.03	135,543.40
LIABILITIES					
Debentures outstanding.....	620,976.63	.....	.....	.....	.....
Accounts payable.....	106,422.21	136.75	135.61	913.01	.....
Other.....	13,329.98	160.85	.....	56.00	1,300.00
Total liabilities.....	740,728.82	297.60	135.61	969.01	1,300.00
RESERVES					
Equity in Ontario Hydro systems.....	1,289,833.30	17,298.73	112,340.72	80,401.84	54,568.48
Other.....	61,254.09	.....	.....	.....	.....
Total reserves.....	1,351,087.39	17,298.73	112,340.72	80,401.84	54,568.48
CAPITAL					
Debentures redeemed.....	599,023.37	5,014.10	24,410.34	5,889.32	13,350.00
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	866,997.56	23,618.02	64,263.18	54,122.86	67,153.92
Frequency standardization expense charged this year.....	151,019.52	.....	.....	.....	829.00
Total capital.....	1,315,001.41	28,632.12	88,673.52	60,012.18	79,674.92
Total.....	3,406,817.62	46,228.45	201,149.85	141,383.03	135,543.40
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	1,014,397.30	12,236.05	48,617.91	45,944.61	43,640.64
Street lighting.....	53,512.39	1,280.00	2,933.50	2,238.00	4,214.48
Other.....	5,503.92	159.48	424.85	335.83	66.06
Total revenue.....	1,073,413.61	13,675.53	51,976.26	48,518.44	47,921.18
EXPENSE					
Power—purchased.....	513,261.39	8,342.44	38,346.28	37,789.63	25,620.04
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	186,018.23	1,098.96	3,490.52	3,136.03	1,614.34
Administration.....	137,045.93	1,177.90	3,884.76	2,027.97	4,531.40
Fixed charges—interest and principal.....	72,558.45	.....	.....	.....	.....
—depreciation.....	57,109.00	717.00	2,918.00	1,511.00	2,715.00
—other.....	280.00	.....	.....	.....	.....
Total expense.....	966,273.00	11,336.30	48,639.56	44,464.63	34,480.78
Surplus or deficit.....	107,140.61	2,339.23	3,336.70	4,053.81	13,440.40
Number of customers.....	7,403	165	700	407	686

Statements for the Year Ended December 31, 1956

Clifford	Clinton	Cobden	Cobourg	Colborne	Coldwater	Collingwood
538	2,902	904	8,346	1,222	681	7,762
\$ 36,919.98 7,928.73	\$ 199,731.44 29,398.26	\$ 52,352.81 3,896.95	\$ 608,831.87 128,351.25	\$ 52,634.71 5,783.78	\$ 46,835.35 10,585.54	\$ 358,746.66 76,096.28
28,991.25	170,333.18	48,455.86	480,480.62	46,850.93	36,249.81	282,650.38
7,434.09	2,965.66	9,490.63	200.00	2,347.91	4,573.43	61,024.99
.....	.....	8,000.00	10,000.00	5,000.00	10,500.00	11,000.00
10.35	911.87	1,887.45	22,812.48	2,083.44	840.48	2,790.26
7,444.44	3,877.53	19,378.08	33,012.48	9,431.35	15,913.91	74,815.25
.....	3,639.98	.....	21,294.27	9,760.40	.....	14,699.10
.....
17.00	484.59	750.00	3,669.81	.....	.....	1,621.34
17.00	4,124.57	750.00	24,964.08	9,760.40	.....	16,320.44
25,534.13	152,391.29	16,371.19	281,843.67	28,565.33	39,951.23	435,339.56
61,986.82	330,726.57	84,955.13	820,300.85	94,608.01	92,114.95	809,125.63
6,021.14	39,900.00	.....	.....	.....	.....	.....
17.50	795.09	.....	12,109.46	28.70	120.05	1,255.02
5.00	2,439.12	73.50	9,727.87	926.00	145.37	5,667.44
6,043.64	43,134.21	73.50	21,837.33	954.70	265.42	6,922.46
25,534.13	152,391.29	16,371.19	281,843.67	28,565.33	39,951.23	435,339.56
358.75	1,660.38	.....	.....	.....	136.48	43.40
25,892.88	154,051.67	16,371.19	281,843.67	28,565.33	40,087.71	435,382.96
8,000.00	54,600.00	4,949.42	105,993.50	12,194.59	6,867.47	38,183.42
.....
22,050.30	79,267.18	63,561.02	410,626.35	52,893.39	44,894.35	328,636.79
.....	326.49	.....	.....	.....	.....	.....
30,050.30	133,540.69	68,510.44	516,619.85	65,087.98	51,761.82	366,820.21
61,986.82	330,726.57	84,955.13	820,300.85	94,608.01	92,114.95	809,125.63
17,036.33	110,752.95	22,617.65	386,016.63	35,433.28	17,742.41	239,983.32
1,232.50	3,911.28	1,594.50	12,668.67	2,516.80	1,251.00	8,638.34
8.29	857.28	324.21	2,772.33	720.16	329.67	1,372.87
18,277.12	115,521.51	24,536.36	401,457.63	38,670.24	19,323.08	249,994.53
11,327.99	69,808.57	14,710.59	274,401.31	24,574.60	11,329.38	185,146.94
.....
2,117.61	10,672.21	1,888.69	19,552.22	3,056.02	1,800.72	19,077.68
1,194.88	9,416.34	1,573.48	28,977.57	5,486.00	1,573.31	13,365.70
343.10	4,579.25	.....	3.15	.....	1.07	.....
1,004.00	4,790.00	1,108.00	15,579.00	1,195.00	1,300.00	9,639.00
.....
15,987.58	99,266.37	19,280.76	338,513.25	34,311.62	16,004.48	227,229.32
2,289.54	16,255.14	5,255.60	62,944.38	4,358.62	3,318.60	22,765.21
215	1,108	369	2,980	513	256	2,770

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Comber	Cookstown	Cottam	Courtright	Creemore
Population.....	585	567	608	589	826
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	41,660.06	40,509.94	42,342.55	22,125.28	37,371.37
Accumulated depreciation.....	8,542.92	5,115.15	8,364.49	2,974.41	6,756.95
Net fixed assets.....	33,117.14	35,394.79	33,978.06	19,150.87	30,614.42
CURRENT ASSETS					
Cash on hand and in bank.....	3,036.20	8,437.71	2,648.00	6,634.83	1,052.75
Investment in Government securities.....			3,000.00		10,000.00
Accounts receivable.....	84.12	194.93	134.09	267.99	556.58
Total current assets.....	3,120.32	8,632.64	5,782.09	6,902.82	11,609.33
OTHER ASSETS					
Inventory of stores.....	85.00				
Sinking fund on local debentures.....					
Miscellaneous.....	3,806.50	210.00	55.00		1,200.00
Total other assets.....	3,891.50	210.00	55.00		1,200.00
Equity in Ontario Hydro systems.....	48,281.16	18,772.95	16,636.25	16,808.73	35,609.11
Total.....	88,410.12	63,010.38	56,451.40	42,862.42	79,032.86
LIABILITIES					
Debentures outstanding.....	3,572.75		4,000.00		
Accounts payable.....	611.41	1,533.95	1,098.74		410.51
Other.....	148.31	345.47	310.59	397.48	533.15
Total liabilities.....	4,332.47	1,879.42	5,409.33	397.48	943.66
RESERVES					
Equity in Ontario Hydro systems....	48,281.16	18,772.95	16,636.25	16,808.73	35,609.11
Other.....	25.38	93.40	377.95	80.24	143.73
Total reserves.....	48,306.54	18,866.35	17,014.20	16,888.97	35,752.84
CAPITAL					
Debentures redeemed.....	9,127.25	12,000.85	10,000.22	8,138.35	2,823.61
Local sinking fund.....					
Residual surplus.....	27,634.14	30,263.76	24,027.65	17,437.62	39,512.75
Frequency standardization expense charged this year.....	990.28				
Total capital.....	35,771.11	42,264.61	34,027.87	25,575.97	42,336.36
Total.....	88,410.12	63,010.38	56,451.40	42,862.42	79,032.86
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	18,260.07	14,451.23	13,610.16	8,757.33	20,342.64
Street lighting.....	1,399.33	1,036.00	875.00	776.00	1,314.00
Other.....	6.20	30.80	91.95	.62	301.31
Total revenue.....	19,665.60	15,518.03	14,577.11	9,533.95	21,957.95
EXPENSE					
Power—purchased.....	11,442.20	9,826.13	7,057.28	5,454.50	15,552.82
—generated.....					
Operation and maintenance (excluding generation).....	1,743.51	1,160.48	653.43	901.50	2,437.75
Administration.....	2,161.14	1,240.76	1,323.31	773.50	1,245.28
Fixed charges—interest and principal	418.83	20.47	691.25		
—depreciation.....	1,118.00	955.00	1,111.00	535.00	984.00
—other.....				75.00	
Total expense.....	16,883.68	13,202.84	10,836.27	7,739.50	20,219.85
Surplus or deficit.....	2,781.92	2,315.19	3,740.84	1,794.45	1,738.10
Number of customers.....	237	226	239	189	349

Statements for the Year Ended December 31, 1956

Dashwood	Delaware	Delhi	Deseronto	Dorchester	Drayton	Dresden
383	336	3,018	1,665	759	568	2,210
\$	\$	\$	\$	\$	\$	\$
19,702.90	18,567.25	221,665.86	101,425.24	44,993.12	40,502.05	144,285.84
2,882.56	5,411.72	37,136.39	19,489.94	8,246.34	10,630.47	14,090.99
16,820.34	13,155.53	184,529.47	81,935.30	36,746.78	29,871.58	130,194.85
6,658.10	1,368.36	10,690.01	4,772.66	1,875.21	4,658.64	25,679.49
.....	.....	38,500.00	16,000.00	1,500.00	6,000.00	1,000.00
25.98	372.55	2,157.35	3,236.62	350.93	231.86	4,476.61
6,684.08	1,740.91	51,347.36	24,009.28	3,726.14	10,890.50	31,156.10
.....	.....	9,577.28	6,990.77	.....	.....	11,333.26
.....
.....	30.94	154.50	2,170.73	.....	70.30	2,631.49
.....	30.94	9,731.78	9,161.50	.....	70.30	13,964.75
26,622.54	13,167.71	60,437.95	37,728.72	24,503.85	37,438.31	102,747.10
50,126.96	28,095.09	306,046.56	152,834.80	64,976.77	78,270.69	278,062.80
.....	.....	15,386.17	.....	2,713.99	.....	31,685.49
79.14	106.66	778.82	.....	.....	241.22	420.16
.....	64.85	3,540.35	1,034.12	288.22	25.00	1,104.00
79.14	171.51	19,705.34	1,034.12	3,002.21	266.22	33,209.65
26,622.54	13,167.71	60,437.95	37,728.72	24,503.85	37,438.31	102,747.10
.....	22.53	.....	.....	.....	.....	1,960.26
26,622.54	13,190.24	60,437.95	37,728.72	24,503.85	37,438.31	104,707.36
3,400.00	4,000.00	69,613.83	15,000.00	4,586.01	9,500.00	19,737.75
.....
20,025.28	10,733.34	156,289.44	99,071.96	32,884.70	31,066.16	120,408.04
.....
23,425.28	14,733.34	225,903.27	114,071.96	37,470.71	40,566.16	140,145.79
50,126.96	28,095.09	306,046.56	152,834.80	64,976.77	78,270.69	278,062.80
13,650.28	10,631.97	110,166.79	51,457.43	16,522.89	17,294.29	73,754.54
810.00	360.00	7,507.58	3,678.84	1,899.00	1,240.00	4,330.05
1.80	2.41	1,425.31	673.72	47.14	204.56	3,311.26
14,462.08	10,994.38	119,099.68	55,809.99	18,469.03	18,738.85	81,395.85
9,348.55	7,698.79	68,893.04	28,584.81	11,849.73	11,436.95	40,667.42
.....
1,598.65	335.34	11,268.81	5,352.22	1,056.37	2,049.79	8,443.45
1,428.48	963.21	7,735.82	7,252.75	1,166.72	1,637.51	12,018.27
.....	.....	6,157.83	.....	242.60	1.91	3,992.10
489.00	527.00	4,854.00	2,634.00	1,211.00	1,143.00	3,130.00
.....
12,864.68	9,524.34	98,909.50	43,823.78	15,526.42	16,269.16	68,251.24
1,597.40	1,470.04	20,190.18	11,986.21	2,942.61	2,469.69	13,144.61
172	127	1,214	619	286	261	875

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Drumbo	Dublin	Dundalk	Dundas	Dunnville
Population.....	339	242	822	9,657	4,902
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	21,803.28	24,175.00	44,430.93	558,898.99	291,731.52
Accumulated depreciation.....	8,743.87	6,416.73	9,278.13	109,364.06	52,528.29
Net fixed assets.....	13,059.41	17,758.27	35,152.80	449,534.93	239,203.23
CURRENT ASSETS					
Cash on hand and in bank.....	6,864.79	4,394.68	1,821.00	7,537.98	6,489.11
Investment in Government securities.....	5,500.00	1,300.00	6,500.00	9,000.00	20,000.00
Accounts receivable.....	745.57	67.39	408.98	2,756.65	5,352.68
Total current assets.....	13,110.36	5,762.07	8,729.98	19,294.63	31,841.79
OTHER ASSETS					
Inventory of stores.....	8.92			13,122.80	32,722.27
Sinking fund on local debentures.....					
Miscellaneous.....	78.00		250.00	728.29	459.76
Total other assets.....	86.92		250.00	13,851.09	33,182.03
Equity in Ontario Hydro systems.....	21,256.25	16,079.43	42,193.30	443,828.08	223,243.74
Total.....	47,512.94	39,599.77	86,326.08	926,508.73	527,470.79
LIABILITIES					
Debentures outstanding.....				187,800.00	41,850.00
Accounts payable.....	17.53	1,605.71	144.25	5,411.55	1,806.42
Other.....	86.00	15.00	100.00	9,769.46	45,599.15
Total liabilities.....	103.53	1,620.71	244.25	202,981.01	89,255.57
RESERVES					
Equity in Ontario Hydro systems.....	21,256.25	16,079.43	42,193.30	443,828.08	223,243.74
Other.....				1,878.32	
Total reserves.....	21,256.25	16,079.43	42,193.30	445,706.40	223,243.74
CAPITAL					
Debentures redeemed.....	4,500.00	6,200.00	5,727.27	60,200.00	78,650.00
Local sinking fund.....					
Residual surplus.....	21,653.16	15,699.63	38,161.26	249,969.00	151,235.12
Frequency standardization expense charged this year.....				32,347.68	14,913.64
Total capital.....	26,153.16	21,899.63	43,888.53	277,821.32	214,971.48
Total.....	47,512.94	39,599.77	86,326.08	926,508.73	527,470.79
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	10,495.17	10,997.52	27,005.89	307,098.98	183,805.63
Street lighting.....	650.00	741.00	1,785.50	12,684.66	9,730.86
Other.....	207.56	50.12	192.54	978.07	
Total revenue.....	11,352.73	11,788.64	28,983.93	320,761.71	193,536.49
EXPENSE					
Power—purchased.....	8,681.40	6,871.36	19,391.96	193,954.52	127,028.15
—generated.....					
Operation and maintenance (excluding generation).....	400.25	427.72	2,664.07	23,566.63	18,921.24
Administration.....	637.30	824.15	2,771.82	20,865.78	9,283.69
Fixed charges—interest and principal.....		13.13		15,221.18	3,629.66
—depreciation.....	466.00	706.00	1,200.00	14,779.00	8,678.00
—other.....					
Total expense.....	10,184.95	8,842.36	26,027.85	268,387.11	167,540.74
Surplus or deficit.....	1,167.78	2,946.28	2,956.08	52,374.60	25,995.75
Number of customers.....	162	116	389	3,121	1,794

Statements for the Year Ended December 31, 1956

Durham	Dutton	East York Twp.	Eganville	Elmira	Elmvale	Elmwood
1,979	814	68,529	1,494	2,821	884	(V.A.)
\$	\$	\$	\$	\$	\$	\$
112,802.85	36,529.26	3,145,658.09	139,500.71	282,359.57	60,855.94	19,621.57
13,266.89	13,856.27	391,899.44	25,939.31	54,857.63	13,087.66	4,962.28
99,535.96	22,672.99	2,753,758.65	113,561.40	227,501.94	47,768.28	14,659.29
1,177.27	7,362.90	298,049.49	5,770.54	5,585.90	11,983.00	5,484.68
4,000.00	5,500.00	150,000.00	10,000.00	.....	1,500.00	5,700.00
1,392.59	496.37	116,848.66	236.22	660.10	434.99	335.14
6,569.86	13,359.27	564,898.15	16,006.76	6,246.00	13,917.99	11,519.82
292.32	.....	26,337.88	2,493.57	.....	.....	.....
.....	.....	17,796.55	.....	.....	.....	.....
.....	105.00	150.00	.....	637.33	100.00	.....
292.32	105.00	44,284.43	2,493.57	637.33	100.00	.....
92,682.76	55,296.95	1,362,264.92	2,133.90	247,055.10	44,510.56	14,915.84
199,080.90	91,434.21	4,725,206.15	134,195.63	481,440.37	106,296.83	41,094.95
.....	.....	747,017.46	62,810.04	.....	.....	.....
82.70	1,750.20	143,593.05	238.71	7,960.87	.....	370.99
738.00	187.36	27,279.92	.....	1,669.05	.....	75.00
820.70	1,937.56	917,890.43	63,048.75	9,629.92	.....	445.99
92,682.76	55,296.95	1,362,264.92	2,133.90	247,055.10	44,510.56	14,915.84
.....	.....	38,276.17	.....	.....	125.87	.....
92,682.76	55,296.95	1,400,541.09	2,133.90	247,055.10	44,636.43	14,915.84
25,323.97	8,407.49	536,763.36	37,189.96	37,168.50	6,544.07	6,106.38
.....	.....	17,796.55	.....	.....	.....	.....
80,253.47	25,792.21	1,852,214.72	31,823.02	187,586.85	55,116.33	19,626.74
.....
105,577.44	34,199.70	2,406,774.63	69,012.98	224,755.35	61,660.40	25,733.12
199,080.90	91,434.21	4,725,206.15	134,195.63	481,440.37	106,296.83	41,094.95
67,722.98	18,665.46	1,729,571.35	38,703.96	139,794.82	28,012.56	8,294.21
3,389.13	1,415.52	75,062.82	2,050.68	4,627.25	1,569.60	877.00
633.17	259.02	18,711.39	880.53	1,399.42	133.37	246.42
71,745.28	20,340.00	1,823,345.56	41,635.17	145,821.49	29,715.53	9,417.63
44,305.70	13,415.70	1,120,192.04	9,051.30	114,342.08	16,854.15	6,228.08
.....	.....	.....	9,159.31	.....	.....	.....
8,573.23	1,694.41	147,132.51	2,657.36	8,560.09	2,957.22	417.08
5,505.40	1,578.77	117,506.95	4,891.84	8,519.89	2,150.29	1,066.30
.....	6.19	78,808.04	7,035.34	418.24	2.03	.....
2,607.00	740.00	72,624.00	3,479.00	7,424.00	1,635.00	575.00
.....	2.80	3,600.00	.....	.....	.....	.....
60,991.33	17,437.87	1,539,863.54	36,274.15	139,264.30	23,598.69	8,286.46
10,753.95	2,902.13	283,482.02	5,361.02	6,557.19	6,116.84	1,131.17
773	338	20,328	520	1,040	375	129

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Elora	Embro	Erieau	Erie Beach	Erin
Population.....	1,433	506	463	86	903
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	84,245.90	34,001.36	63,590.17	13,085.09	41,937.75
Accumulated depreciation.....	24,599.67	11,379.17	7,555.07	1,427.38	3,278.80
Net fixed assets.....	59,646.23	22,622.19	56,035.10	11,657.71	38,658.95
CURRENT ASSETS					
Cash on hand and in bank.....	6,408.19	6,260.42	.....	1,555.55	7,312.64
Investment in Government securities.....	2,000.00	6,500.00	.....	.....	.....
Accounts receivable.....	370.31	149.51	251.63	219.03	474.58
Total current assets.....	8,778.50	12,909.93	251.63	1,774.58	7,787.22
OTHER ASSETS					
Inventory of stores.....	207.71	.....	.....	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	20.48	75.25	5,316.18	585.50	.....
Total other assets.....	228.19	75.25	5,316.18	585.50	.....
Equity in Ontario Hydro systems.....	107,278.98	33,763.56	27,146.97	5,191.50	6,159.95
Total.....	175,931.90	69,370.93	88,749.88	19,209.29	52,606.12
LIABILITIES					
Debentures outstanding.....	6,700.00	.....	.....	.....	7,250.00
Accounts payable.....	153.30	.....	6,901.69	903.38	5.75
Other.....	850.00	65.00	207.50	247.50	438.41
Total liabilities.....	7,703.30	65.00	7,109.19	1,150.88	7,694.16
RESERVES					
Equity in Ontario Hydro systems.....	107,278.98	33,763.56	27,146.97	5,191.50	6,159.95
Other.....	57.09	.....	19.23	81.06	36.00
Total reserves.....	107,336.07	33,763.56	27,166.20	5,272.56	6,195.95
CAPITAL					
Debentures redeemed.....	13,300.00	7,500.00	6,883.13	3,300.00	7,250.00
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	54,234.75	28,042.37	50,007.30	10,164.71	31,466.01
Frequency standardization expense charged this year.....	6,642.22	.....	2,415.94	678.86	.....
Total capital.....	60,892.53	35,542.37	54,474.49	12,785.85	38,716.01
Total.....	175,931.90	69,370.93	88,749.88	19,209.29	52,606.12

B. OPERATING STATEMENTS**REVENUE**

Domestic, commercial, power.....	43,005.37	17,914.66	23,360.84	4,325.77	24,996.90
Street lighting.....	2,584.79	840.75	1,024.50	252.00	1,395.00
Other.....	277.67	195.86	164.33	.32	22.40

Total revenue.....	45,867.83	18,951.27	24,549.67	4,578.09	26,414.30
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EXPENSE

Power—purchased.....	29,942.03	12,881.49	14,643.40	2,017.79	14,831.10
—generated.....
Operation and maintenance (excluding generation).....	4,348.26	1,613.45	3,825.59	291.13	2,226.45
Administration.....	2,868.40	1,508.03	1,986.67	588.03	1,858.62
Fixed charges—interest and principal.....	605.88	.....	217.72	.....	984.16
—depreciation.....	2,570.00	1,089.00	1,499.00	285.00	920.00
—other.....	62.16

Total expense.....	40,334.57	17,091.97	22,172.38	3,244.11	20,820.33
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Surplus or deficit.....	5,533.26	1,859.30	2,377.29	1,333.98	5,593.97
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Number of customers.....	527	220	310	132	359
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Statements for the Year Ended December 31, 1956

Essex	Etobicoke Twp.	Exeter	Fergus	Finch	Flesherton	Fonthill
3,368	99,637	2,568	3,581	371	487	1,885
\$	\$	\$	\$	\$	\$	\$
185,234.81	8,659,563.52	170,206.98	225,656.14	29,809.38	31,805.14	101,892.92
52,364.04	600,490.60	46,312.46	33,232.09	6,102.02	7,801.07	15,411.98
132,870.77	8,059,072.92	123,894.52	192,424.05	23,707.36	24,004.07	86,480.94
14,795.37	485,722.60	8,396.82	16,159.64	1,921.76	7,203.73	14,291.17
.....	37,000.00	10,000.00	.....	14,000.00	11,000.00	.....
1,535.13	200,272.74	1,431.40	2,030.15	305.71	142.80	736.32
16,330.50	722,995.34	19,828.22	18,189.79	16,227.47	18,346.53	15,027.49
9,077.38	129,537.53	2,102.61	381.51	.....	.....	17.50
.....	66,347.52	.....	.....	.....	.....	.....
11,782.72	4,874.20	1,251.33	65.50	.....	.....	28.50
20,860.10	200,759.25	3,353.94	447.01	.....	.....	46.00
112,303.79	1,559,807.96	146,737.99	225,236.18	16,558.98	20,261.24	33,903.51
282,365.16	10,542,635.47	293,814.67	436,297.03	56,493.81	62,611.84	135,457.94
12,600.00	5,126,782.45	.....	31,000.00	.....	.....	29,100.00
.....	711,177.98	194.03	1,981.83	74.19	208.71	619.13
1,039.00	101,278.23	2,091.84	1,774.96	201.04	177.00	1,659.30
13,639.00	5,939,238.66	2,285.87	34,756.79	275.23	385.71	31,378.43
112,303.79	1,559,807.96	146,737.99	225,236.18	16,558.98	20,261.24	33,903.51
1,069.43	148,803.54	202.83	540.00	.....	.....	.....
113,373.22	1,708,611.50	146,940.82	225,776.18	16,558.98	20,261.24	33,903.51
24,900.00	841,695.40	20,000.05	44,000.00	7,000.00	5,830.88	32,400.00
.....	66,347.52	.....	.....	.....	.....	.....
130,452.94	1,986,742.39	124,587.93	142,029.19	32,659.60	36,134.01	37,776.00
.....	.....	.....	10,265.13	.....	.....	.....
155,352.94	2,894,785.31	144,587.98	175,764.06	39,659.60	41,964.89	70,176.00
282,365.16	10,542,635.47	293,814.67	436,297.03	56,493.81	62,611.84	135,457.94
89,331.77	3,842,820.19	101,622.95	155,039.49	10,119.09	13,175.80	48,640.38
4,146.74	108,827.05	5,113.36	6,267.42	1,130.40	1,129.50	3,353.26
1,785.14	24,095.40	950.01	685.38	455.44	371.38	.....
95,263.65	3,975,742.64	107,686.32	161,992.29	11,704.93	14,676.68	51,993.64
53,848.41	2,479,312.56	70,498.14	115,289.27	6,372.69	9,161.95	33,968.73
11,067.96	224,176.32	12,039.78	11,787.88	1,073.46	877.39	3,297.02
9,799.33	203,532.33	9,908.29	7,856.65	1,124.25	812.91	3,174.98
1,860.00	428,495.48	.....	3,315.53	.....	1.55	4,457.75
5,360.00	166,509.00	4,875.00	5,460.00	798.00	908.00	2,458.00
.....	.....	62.68	.....	.....	.....	.....
81,935.70	3,502,025.69	97,383.89	143,709.33	9,368.40	11,761.80	47,356.48
13,327.95	473,716.95	10,302.43	18,282.96	2,336.53	2,914.88	4,637.16
1,121	35,248	1,090	1,254	170	222	640

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Forest	Forest Hill	Frankford	Galt	Georgetown
Population.....	2,000	19,568	1,445	23,585	6,257
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	106,543.79	1,278,060.22	62,958.26	2,054,727.05	499,165.74
Accumulated depreciation.....	34,610.25	343,526.08	8,518.54	639,274.93	59,787.95
Net fixed assets.....	71,933.54	934,534.14	54,439.72	1,415,452.12	439,377.79
CURRENT ASSETS					
Cash on hand and in bank.....	14,273.99	58,769.53	15,156.76	18,117.11	114,829.26
Investment in Government securities.....	36,500.00	74,000.00	.....	60,000.00	4,000.00
Accounts receivable.....	590.24	9,696.93	505.78	18,156.36	4,388.70
Total current assets.....	51,364.23	142,466.46	15,662.54	96,273.47	123,217.96
OTHER ASSETS					
Inventory of stores.....	2,101.08	31,199.26	.....	79,235.83	24,142.89
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	234.43	782.44	294.00	152,774.41	31,942.14
Total other assets.....	2,335.51	31,981.70	294.00	232,010.24	56,085.03
Equity in Ontario Hydro systems.....	114,497.42	742,416.25	8,938.17	1,745,085.01	350,746.44
Total.....	240,130.70	1,851,398.55	79,334.43	3,488,820.84	969,427.22
LIABILITIES					
Debentures outstanding.....	.....	27,888.62	6,000.00	221,500.00	363,180.30
Accounts payable.....	1,788.02	10,721.70	.....	772.63	353.15
Other.....	571.36	32,739.54	1,029.00	19,085.08	9,751.85
Total liabilities.....	2,359.38	71,349.86	7,029.00	241,357.71	373,285.30
RESERVES					
Equity in Ontario Hydro systems....	114,497.42	742,416.25	8,938.17	1,745,085.01	350,746.44
Other.....	.....	15,189.62	.....	28,047.99	17,553.86
Total reserves.....	114,497.42	757,605.87	8,938.17	1,773,133.00	368,300.30
CAPITAL					
Debentures redeemed.....	23,357.13	334,892.98	14,000.00	596,501.95	26,819.70
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	99,971.39	687,549.84	49,367.26	877,828.18	201,021.92
Frequency standardization expense charged this year.....	54.62	.....	.....	.....	.....
Total capital.....	123,273.90	1,022,442.82	63,367.26	1,474,330.13	227,841.62
Total.....	240,130.70	1,851,398.55	79,334.43	3,488,820.84	969,427.22
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	69,394.04	684,313.40	27,995.40	969,063.64	277,293.43
Street lighting.....	3,434.00	18,271.94	1,956.75	39,501.35	7,751.48
Other.....	1,206.25	7,222.74	131.58	8,870.36	2,890.15
Total revenue.....	74,034.29	709,808.08	30,083.73	1,017,435.35	287,935.06
EXPENSE					
Power—purchased.....	48,124.05	399,991.80	18,274.72	680,735.70	182,092.86
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	8,294.03	48,818.00	1,422.81	86,345.44	13,702.52
Administration.....	5,834.53	59,589.80	2,913.75	50,536.46	16,349.98
Fixed charges—interest and principal.....	.....	21,172.58	2,244.53	33,988.03	25,793.23
—depreciation.....	1,929.00	36,388.00	1,523.00	62,948.00	9,898.00
—other.....	7.28	100.00	.....	.....	400.00
Total expense.....	64,188.89	566,060.18	26,378.81	914,553.63	248,236.59
Surplus or deficit.....	9,845.40	143,747.90	3,704.92	102,881.72	39,698.47
Number of customers.....	836	6,655	533	7,821	2,242

Statements for the Year Ended December 31, 1956

Glencoe	Goderich	Grand Bend	Grand Valley	Granton	Gravenhurst	Grimsby
1,058	5,884	865	653	271	3,030	4,004
\$ 88,024.39 22,191.72	\$ 508,650.79 127,864.85	\$ 111,876.25 21,060.67	\$ 40,616.59 12,667.73	\$ 13,344.57 2,358.86	\$ 177,697.36 45,586.92	\$ 177,036.24 27,915.26
65,832.67	380,785.94	90,815.58	27,948.86	10,985.71	132,110.44	149,120.98
2,999.01	83,024.32	4,493.17	2,156.35	2,913.75	22,927.75	7,850.82
12,600.00	36,000.00	.....	8,000.00	.....	30,000.00	17,000.00
1,665.13	7,395.21	2,545.28	697.49	101.89	1,956.55	585.98
17,264.14	126,419.53	7,038.45	10,853.84	3,015.64	54,884.30	25,436.80
1,056.39	4,210.70	.....	.....	.....	3,551.01	12.96
534.00	714.56	10.00	.....	302.80	5,437.36	1,278.50
1,590.39	4,925.26	10.00	.....	302.80	8,988.37	1,291.46
58,839.91	381,229.65	12,535.68	38,915.15	20,890.72	134,546.98	63,675.50
143,527.11	893,360.38	110,399.71	77,717.85	35,194.87	330,530.09	239,524.74
.....	102,500.00	79,730.23	.....	1,793.61	.....	.....
1,920.10	1,413.31	.....	1,977.20	664.89	80.41	909.05
350.75	8,364.53	175.00	.....	20.00	1,885.19	3,659.02
2,270.85	112,277.84	79,905.23	1,977.20	2,478.50	1,965.60	4,568.07
58,839.91	381,229.65	12,535.68	38,915.15	20,890.72	134,546.98	63,675.50
308.10	514.86	3,530.56	.....	57.80	399.19	.....
59,148.01	381,744.51	16,066.24	38,915.15	20,948.52	134,946.17	63,675.50
20,112.88	118,588.05	5,269.77	10,794.30	4,849.97	44,278.97	85,344.00
61,995.37	280,883.95	9,158.47	26,031.20	6,917.88	149,339.35	85,937.17
.....	133.97	.....	.....	.....	.....	.....
82,108.25	399,338.03	14,428.24	36,825.50	11,767.85	193,618.32	171,281.17
143,527.11	893,360.38	110,399.71	77,717.85	35,194.87	330,530.09	239,524.74
29,015.51	262,710.49	48,662.07	20,968.72	6,464.93	113,893.43	116,500.32
2,839.59	12,471.00	2,102.88	1,157.00	456.00	4,372.48	5,202.45
1,347.74	1,278.14	7.65	249.19	6.17	828.19	490.85
33,202.84	276,459.63	50,772.60	22,374.91	6,927.10	119,094.10	122,193.62
18,249.47	166,799.73	27,541.22	16,476.60	3,937.03	78,954.37	86,477.47
.....
3,002.28	18,474.43	3,396.56	915.09	1,646.76	7,429.91	3,295.03
4,371.96	19,185.39	6,355.88	1,319.42	961.51	7,788.42	7,159.25
2.00	9,301.43	6,834.32	.....	307.50	15.09	.....
2,404.00	14,046.00	2,709.60	1,278.00	344.00	5,026.00	4,369.00
.....	.....	60.00	.....	.....	.....	.....
28,029.71	227,806.98	46,897.58	19,989.11	7,196.80	99,213.79	101,300.75
5,173.13	48,652.65	3,875.02	2,385.80	269.70	19,880.31	20,892.87
447	2,177	771	314	116	1,271	1,494

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Guelph	Hagersville	Hamilton	Hanover	Harriston
Population.....	33,327	1,962	234,234	3,981	1,574
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	2,196,339.66	98,207.79	17,879,206.16	230,488.69	118,784.11
Accumulated depreciation.....	463,317.24	26,740.34	2,016,613.73	89,773.07	23,938.98
Net fixed assets.....	1,733,022.42	71,467.45	15,862,592.43	140,715.62	94,845.13
CURRENT ASSETS					
Cash on hand and in bank.....	65,726.52	6,130.06	670,340.32	20,906.43	13,684.33
Investment in Government securities.....		37,000.00		107,000.00	
Accounts receivable.....	13,480.35	570.60	986,486.45	760.99	3,563.76
Total current assets.....	79,206.87	43,700.66	1,656,826.77	128,667.42	17,248.09
OTHER ASSETS					
Inventory of stores.....	75,721.33		827,639.21	5,846.97	420.73
Sinking fund on local debentures.....					
Miscellaneous.....	159,019.56	178.40	477,064.19	584.56	10.00
Total other assets.....	234,740.89	178.40	1,304,703.40	6,431.53	430.73
Equity in Ontario Hydro systems.....	2,035,670.60	214,536.19	19,560,348.41	256,329.44	108,614.69
Total.....	4,082,640.78	329,882.70	38,384,471.01	532,144.01	221,138.64
LIABILITIES					
Debentures outstanding.....	610,000.00		1,350,000.00		4,200.00
Accounts payable.....	11,487.97		993,166.06	753.98	152.28
Other.....	24,260.30	1,075.00	77,643.78	2,232.53	952.26
Total liabilities.....	645,748.27	1,075.00	2,420,809.84	2,986.51	5,304.54
RESERVES					
Equity in Ontario Hydro systems.....	2,035,670.60	214,536.19	19,560,348.41	256,329.44	108,614.69
Other.....	32,607.88		230,435.05		381.25
Total reserves.....	2,068,278.48	214,536.19	19,790,783.46	256,329.44	108,995.94
CAPITAL					
Debentures redeemed.....	235,000.00	8,000.00	6,335,275.19	80,162.29	26,618.03
Local sinking fund.....					
Residual surplus.....	1,133,614.03	106,271.51	10,248,532.40	192,665.77	80,441.17
Frequency standardization expense charged this year.....			410,929.88		221.04
Total capital.....	1,368,614.03	114,271.51	16,172,877.71	272,828.06	106,838.16
Total.....	4,082,640.78	329,882.70	38,384,471.01	532,144.01	221,138.64
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	1,197,984.26	85,654.92	11,994,282.96	130,711.37	63,345.13
Street lighting.....	44,169.37	3,045.96	267,419.22	4,815.32	2,574.30
Other.....	6,546.58	1,788.65	87,159.98	4,168.46	141.14
Total revenue.....	1,248,700.21	90,489.53	12,348,862.16	139,695.15	66,060.57
EXPENSE					
Power—purchased.....	873,028.01	66,644.16	9,019,836.55	105,631.31	40,054.91
—generated.....					
Operation and maintenance (excluding generation).....	92,949.30	8,654.92	752,123.83	11,444.48	4,734.71
Administration.....	54,101.53	5,625.10	605,993.14	8,718.81	5,327.48
Fixed charges—interest and principal.....	47,844.31	5.27	113,920.00		617.50
—depreciation.....	58,449.00	2,878.00	336,696.00	4,788.00	3,062.00
—other.....					
Total expense.....	1,126,372.15	83,807.45	10,828,569.52	130,582.60	53,796.60
Surplus or deficit.....	122,328.06	6,682.08	1,520,292.64	9,112.55	12,263.97
Number of customers.....	10,454	721	71,909	1,412	629

Statements for the Year Ended December 31, 1956

Harrow	Hastings	Havelock	Hawkesbury	Hensall	Hespeler	Highgate
1,773	805	1,276	8,104	842	3,945	377
\$ 129,333.94 32,265.59	\$ 59,558.56 17,103.75	\$ 70,939.75 15,666.20	\$ 369,927.18 53,789.94	\$ 86,057.49 19,904.04	\$ 306,585.94 15,834.77	\$ 26,924.36 7,934.31
97,068.35	42,454.81	55,273.55	316,137.24	66,153.45	290,751.17	18,990.05
11,465.51	4,092.49	3,797.71	34,939.45	2,552.92	41,607.47	.....
11,000.00	7,000.00	27,000.00	.....	2,000.00	.....	3,000.00
169.40	158.23	2,770.83	3,217.60	1,755.19	27,850.44	117.10
22,634.91	11,250.72	33,568.54	38,157.05	6,308.11	69,457.91	3,117.10
4,610.42	.....	.....	13,063.67	.....	1,157.45	.....
2,938.26	25.00	200.00	1,063.00	66.00	441.59	1,424.00
7,548.68	25.00	200.00	14,126.67	66.00	1,599.04	1,424.00
96,952.95	18,233.39	37,995.01	8,456.47	53,658.49	404,288.79	26,506.80
224,204.89	71,963.92	127,037.10	376,877.43	126,186.05	766,096.91	50,037.95
.....	.....	22,500.00	245,000.00	.....	.....	.....
462.05	478.12	315.00	2,736.23	36.84	6,734.40	504.95
845.00	731.73	460.00	2,560.00	200.00	2,475.00	3,019.00
1,307.05	1,209.85	23,275.00	250,296.23	236.84	9,209.40	3,523.95
96,952.95	18,233.39	37,995.01	8,456.47	53,658.49	404,288.79	26,506.80
.....	.....	.....	.....	326.75	60.00	.....
96,952.95	18,233.39	37,995.01	8,456.47	53,985.24	404,348.79	26,506.80
12,000.00	21,000.00	40,400.00	40,000.00	12,000.00	77,570.51	5,000.00
113,944.89	31,520.68	25,367.09	78,124.73	59,963.97	286,280.37	15,007.20
.....	.....	.....	.....	.....	11,312.16	.....
125,944.89	52,520.68	65,767.09	118,124.73	71,963.97	352,538.72	20,007.20
224,204.89	71,963.92	127,037.10	376,877.43	126,186.05	766,096.91	50,037.95
75,754.67	22,134.63	27,106.08	174,417.91	36,923.25	245,196.62	10,267.41
2,571.01	1,920.96	2,284.80	7,579.60	1,320.00	8,078.00	760.08
326.73	293.08	845.10	336.32	81.86	2,913.57	160.39
78,652.41	24,348.67	30,235.98	182,333.83	38,325.11	256,188.19	11,187.88
44,443.98	13,455.34	14,870.60	59,047.28	26,715.14	203,837.49	8,603.31
.....
5,219.69	1,646.93	1,466.96	13,509.22	1,430.39	12,632.93	1,175.16
8,080.07	3,937.34	3,776.61	22,780.11	1,504.80	8,258.27	738.25
.....	.....	2,340.00	21,475.00	.....	.....	.....
3,682.00	1,043.00	1,951.00	9,101.00	2,516.00	6,366.00	500.00
50.28	.....	.....	.....	179.22	.....	.....
61,476.02	20,082.61	24,405.17	125,912.61	32,345.55	231,094.69	11,016.72
17,176.39	4,266.06	5,830.81	56,421.22	5,979.56	25,093.50	171.16
636	415	434	2,018	347	1,272	162

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Holstein	Huntsville	Ingersoll	Iroquois	Jarvis
Population.....	180	3,195	6,955	1,175	641
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	11,054.91	147,786.38	455,925.38	39,054.35	50,302.66
Accumulated depreciation.....	2,310.00	29,629.14	82,881.47	9,393.84	12,457.10
Net fixed assets.....	8,744.91	118,157.24	373,043.91	29,660.51	37,845.56
CURRENT ASSETS					
Cash on hand and in bank.....	2,601.91	15,255.71	4,504.13	4,745.40	8,107.35
Investment in Government securities.....	1,000.00	10,000.00		16,000.00	
Accounts receivable.....	12.12	4,810.66	4,094.69	504.04	227.00
Total current assets.....	3,614.03	30,066.37	8,598.82	21,249.44	8,334.35
OTHER ASSETS					
Inventory of stores.....		6,642.29	13,343.97	979.17	
Sinking fund on local debentures.....					
Miscellaneous.....	58.35	5,029.14	2,653.42		
Total other assets.....	58.35	11,671.43	15,997.39	979.17	
Equity in Ontario Hydro systems.....	8,023.11	205,707.89	555,912.67	21,737.90	43,398.57
Total.....	20,440.40	365,602.93	953,552.79	73,627.02	89,578.48
LIABILITIES					
Debentures outstanding.....			65,751.39		
Accounts payable.....		23.00	1,518.94	606.81	176.84
Other.....	42.60	1,609.30	5,967.35	1,807.46	
Total liabilities.....	42.60	1,632.30	73,237.68	2,414.27	176.84
RESERVES					
Equity in Ontario Hydro systems.....	8,023.11	205,707.89	555,912.67	21,737.90	43,398.57
Other.....		129.14	127.23	5,090.00	
Total reserves.....	8,023.11	205,837.03	556,039.90	26,827.90	43,398.57
CAPITAL					
Debentures redeemed.....	2,762.05	15,697.39	94,048.61		10,500.00
Local sinking fund.....					
Residual surplus.....	9,612.64	142,436.21	230,226.60	44,384.85	35,503.07
Frequency standardization expense charged this year.....					
Total capital.....	12,374.69	158,133.60	324,275.21	44,384.85	46,003.07
Total.....	20,440.40	365,602.93	953,552.79	73,627.02	89,578.48
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	4,246.34	126,779.41	258,001.66	35,017.48	16,139.93
Street lighting.....	360.00	6,562.00	8,536.97	1,948.00	858.00
Other.....	30.78	249.34	1,956.03	564.59	4.34
Total revenue.....	4,637.12	133,590.75	268,494.66	37,530.07	17,002.27
EXPENSE					
Power—purchased.....	3,476.41	100,125.91	181,538.13	26,349.77	11,946.79
—generated.....					
Operation and maintenance (excluding generation).....	257.89	12,856.35	20,678.81	2,807.99	678.48
Administration.....	602.60	8,706.10	25,190.55	5,389.32	1,177.27
Fixed charges—interest and principal.....		5.53	6,041.54		3.03
—depreciation.....	303.00	3,924.00	11,339.00	1,070.00	1,436.00
—other.....					
Total expense.....	4,639.90	125,617.89	244,788.03	35,617.08	15,241.57
Surplus or deficit.....	2.78	7,972.86	23,706.63	1,912.99	1,760.70
Number of customers.....	96	1,178	2,274	469	243

Statements for the Year Ended December 31, 1956

Kemptville	Kincardine	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield
1,743	2,631	45,625	2,966	211	59,354	1,938
\$ 91,703.14 20,209.98	\$ 176,479.91 42,194.52	\$ 3,240,143.02 912,972.27	\$ 183,525.02 46,719.03	\$ 15,026.11 3,837.45	\$ 6,127,843.22 1,011,137.64	\$ 107,566.10 28,897.03
71,493.16	134,285.39	2,327,170.75	136,805.99	11,188.66	5,116,705.58	78,669.07
4,219.89	16,033.89	207,421.47	13,111.69	2,040.78	229,272.69	20,179.87
12,000.00	32,000.00	180,000.00	23,500.00	3,000.00	.....	60,000.00
3,501.72	1,129.82	137,216.99	1,655.61	66.15	263,781.84	733.98
19,721.61	49,163.71	524,638.46	38,267.30	5,106.93	493,054.53	80,913.85
11,492.96	55.85	176,185.11	447.30	.....	221,242.97	6,338.01
.....	22.00	288,709.76	17,782.07	.....	337,444.93	.....
11,492.96	77.85	464,894.87	18,229.37	.....	558,687.90	6,338.01
76,452.48	148,321.65	1,082,003.86	135,610.67	9,131.30	4,212,878.12	60,374.05
179,160.21	331,848.60	4,398,707.94	328,913.33	25,426.89	10,381,326.13	226,294.98
.....	.....	250,000.00	.....	.....	1,117,000.00	.....
318.75	228.18	285,350.18	192.51	.....	244,727.12	52.49
610.48	764.32	59,027.96	3,439.75	6.00	28,353.07	729.53
929.23	992.50	594,378.14	3,632.26	6.00	1,390,080.19	782.02
76,452.48	148,321.65	1,082,003.86	135,610.67	9,131.30	4,212,878.12	60,374.05
.....	39.62	111,548.15	388.66	200.00	223,405.09	.....
76,452.48	148,361.27	1,193,552.01	135,999.33	9,331.30	4,436,283.21	60,374.05
19,506.62	60,000.00	274,339.08	33,500.00	5,765.89	1,220,150.00	33,500.00
.....
82,271.88	122,494.83	2,336,438.71	155,781.74	10,323.70	3,334,812.73	131,638.91
.....
101,778.50	182,494.83	2,610,777.79	189,281.74	16,089.59	4,554,962.73	165,138.91
179,160.21	331,848.60	4,398,707.94	328,913.33	25,426.89	10,381,326.13	226,294.98
61,119.59	99,217.79	1,548,265.10	106,613.71	4,673.50	2,802,264.47	70,087.22
2,571.34	4,946.94	41,882.94	5,310.71	453.00	117,141.95	2,573.55
690.88	1,351.03	19,918.36	1,009.22	95.70	35,625.46	1,809.60
64,381.81	105,515.76	1,610,066.40	112,933.64	5,222.20	2,955,031.88	74,470.37
45,481.09	78,367.45	955,852.73	56,887.90	3,028.67	1,648,171.60	42,158.37
.....
7,497.66	10,282.79	154,287.67	9,659.18	671.66	506,588.74	5,197.18
4,195.24	5,481.98	204,193.29	9,581.75	490.07	153,015.07	7,152.47
.....	21.06	6,638.89	.....	1.25	10,917.42	8.82
2,502.00	4,952.00	56,429.47	4,982.00	463.00	131,831.00	3,100.00
.....	.....	2,364.68	.....	.....	.....	.....
59,675.99	99,105.28	1,379,766.73	81,110.83	4,654.65	2,450,523.83	57,616.84
4,705.82	6,410.58	230,299.67	31,822.81	567.55	504,508.05	16,853.53
676	1,098	13,632	1,175	97	19,008	676

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Lambeth	Lanark	Lancaster	La Salle	Leamington
Population.....	1,579	888	571	2,798	8,188
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	71,156.76	34,753.33	21,882.96	138,921.66	421,561.75
Accumulated depreciation.....	13,116.01	4,759.25	6,906.58	27,740.53	102,539.16
Net fixed assets.....	58,040.75	29,994.08	14,976.38	111,181.13	319,022.59
CURRENT ASSETS					
Cash on hand and in bank.....	6,656.03	3,151.73	2,464.91	9,378.99	22,051.72
Investment in Government securities.....		20,000.00	8,500.00		2,000.00
Accounts receivable.....	1,514.91	36.44	1,287.30	11,899.41	10,871.58
Total current assets.....	8,170.94	23,188.17	12,252.21	21,278.40	34,923.30
OTHER ASSETS					
Inventory of stores.....				392.48	26,072.99
Sinking fund on local debentures.....					
Miscellaneous.....			500.00	9,182.94	91.72
Total other assets.....			500.00	9,575.42	26,164.71
Equity in Ontario Hydro systems.....	36,606.13	21,297.27	17,297.93	58,252.39	336,224.54
Total.....	102,817.82	74,479.52	45,026.52	200,287.34	716,335.14
LIABILITIES					
Debentures outstanding.....	18,996.52				34,000.00
Accounts payable.....	420.02	667.47		4,178.82	240.00
Other.....	857.00	158.65	402.86	2,117.10	7,277.34
Total liabilities.....	20,273.54	826.12	402.86	6,295.92	41,517.34
RESERVES					
Equity in Ontario Hydro systems.....	36,606.13	21,297.27	17,297.93	58,252.39	336,224.54
Other.....	45.39				39.45
Total reserves.....	36,651.52	21,297.27	17,297.93	58,252.39	336,263.99
CAPITAL					
Debentures redeemed.....	13,503.48	7,316.57	8,916.82	15,500.00	52,000.00
Local sinking fund.....					
Residual surplus.....	32,389.28	45,039.56	18,408.91	120,239.03	286,686.43
Frequency standardization expense charged this year.....					132.62
Total capital.....	45,892.76	52,356.13	27,325.73	135,739.03	338,553.81
Total.....	102,817.82	74,479.52	45,026.52	200,287.34	716,335.14
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	40,831.92	13,202.29	9,882.90	73,583.40	257,320.22
Street lighting.....	1,783.00	682.00	816.75	1,571.48	10,988.53
Other.....	3.88	809.76	255.27	1,126.16	1,350.97
Total revenue.....	42,618.80	14,694.05	10,954.92	76,281.04	269,659.72
EXPENSE					
Power—purchased.....	27,281.18	9,755.07	6,610.91	36,865.31	174,857.34
—generated.....					
Operation and maintenance (excluding generation).....	1,196.99	989.96	1,014.22	4,322.80	17,450.02
Administration.....	3,300.13	1,175.30	1,471.93	7,469.82	21,524.71
Fixed charges—interest and principal.....	2,689.66			82.07	3,601.39
—depreciation.....	1,870.00	858.00	407.00	3,613.00	11,361.00
—other.....	20.36				
Total expense.....	36,358.32	12,778.33	9,504.06	52,353.00	228,794.46
Surplus or deficit.....	6,260.48	1,915.72	1,450.86	23,928.04	40,865.26
Number of customers.....	500	309	197	781	2,922

Statements for the Year Ended December 31, 1956

Lindsay	Listowel	London	London Twp.	Long Branch	L'Orignal	Lucan
9,966	3,340	101,086	30,815	9,898	1,057	914
\$ 784,481.25 153,622.48	\$ 292,902.28 92,301.85	\$ 7,833,624.18 2,226,994.18	\$ 114,894.16 28,505.84	\$ 374,636.93 30,156.58	\$ 59,476.45 16,937.39	\$ 60,397.85 16,621.30
630,858.77	200,600.43	5,606,630.00	86,388.32	344,480.35	42,539.06	43,776.55
16,521.17	33,944.76	274,543.81	24,878.08	11,764.26	12,341.87	25.00
15,000.00	20,000.00	206,500.00	.....	3,000.00	.....	5,500.00
3,708.98	746.81	410,051.36	1,030.73	15,141.02	440.77	190.91
35,230.15	54,691.57	891,095.17	25,908.81	29,905.28	12,782.64	5,715.91
16,553.09	1,049.13	299,665.06	.....	.....	.....	.....
.....
.....	282.16	6,223.97	.....	.....	2,150.82	6.00
16,553.09	1,331.29	305,889.03	.....	.....	2,150.82	6.00
425,086.18	256,290.82	7,026,053.26	85,232.48	191,227.52	2,072.38	54,204.86
1,107,728.19	512,914.11	13,829,667.46	197,529.61	565,613.15	59,544.90	103,703.32
.....	59,434.61	527,000.00	27,481.18	.....	24,000.00	.....
101,682.05	765.14	473,289.75	2,594.03	.....	2,114.54	3,627.03
7,123.65	1,017.64	75,715.02	1,157.62	13,764.26	400.00	461.01
108,805.70	61,217.39	1,076,004.77	31,232.83	13,764.26	26,514.54	4,088.04
425,086.18	256,290.82	7,026,053.26	85,232.48	191,227.52	2,072.38	54,204.86
.....	2,987.38	256,682.80	969.81	1,213.78	.....	.....
425,086.18	259,278.20	7,282,736.06	86,202.29	192,441.30	2,072.38	54,204.86
130,000.00	53,755.28	1,704,900.00	24,518.82	40,304.60	4,000.00	11,213.62
.....
443,836.31	138,663.24	3,778,698.94	55,575.67	319,102.99	26,957.98	34,196.80
.....	.....	12,672.31	.....	.....	.....	.....
573,836.31	192,418.52	5,470,926.63	80,094.49	359,407.59	30,957.98	45,410.42
1,107,728.19	512,914.11	13,829,667.46	197,529.61	565,613.15	59,544.90	103,703.32
386,064.93	146,253.90	3,337,906.06	78,344.83	300,549.14	24,915.12	29,489.56
9,081.79	6,585.48	140,788.90	2,340.70	9,882.68	720.00	1,710.64
3,849.93	1,027.47	50,087.42	231.04	420.21	209.95	271.70
398,996.65	153,866.85	3,528,782.38	80,916.57	310,852.03	25,845.07	31,471.90
216,389.74	92,385.79	2,078,432.27	52,273.15	204,198.05	8,412.14	23,389.24
.....
49,136.91	9,536.94	396,750.34	3,694.47	15,985.21	1,914.86	2,654.98
31,729.93	10,156.35	280,112.46	5,598.89	25,484.90	1,712.47	1,988.11
5,243.50	6,517.97	46,391.97	3,017.10	1,111.15	2,251.56	116.40
19,601.00	8,945.00	139,176.00	3,323.00	7,787.00	1,698.00	1,804.00
.....	.....	.....	34.75	.....	.....	.....
322,101.08	127,542.05	2,940,863.04	67,941.36	254,566.31	15,989.03	29,952.73
76,895.57	26,324.80	587,919.34	12,975.21	56,285.72	9,856.04	1,519.17
3,577	1,376	30,373	968	3,602	305	332

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Lucknow	Lynden	Madoc	Magnetawan	Markdale
Population.....	898	510	1,483	253	905
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	75,412.78	26,103.10	97,435.06	21,935.84	52,967.43
Accumulated depreciation.....	8,710.06	7,469.18	21,857.98	4,257.11	8,031.55
Net fixed assets.....	66,702.72	18,633.92	75,577.08	17,678.73	44,935.88
CURRENT ASSETS					
Cash on hand and in bank.....	8,021.70	2,297.67	19,833.32	6,071.93	7,938.56
Investment in Government securities.....	9,000.00	3,000.00	7,000.00	4,000.00	.....
Accounts receivable.....	467.59	757.76	1,753.07	7.04	302.53
Total current assets.....	17,489.29	6,055.43	28,586.39	10,078.97	8,241.09
OTHER ASSETS					
Inventory of stores.....	.....	.....	3,170.53	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	196.60	.....	.....	.....	90.55
Total other assets.....	196.60	.....	3,170.53	.....	90.55
Equity in Ontario Hydro systems.....	67,020.36	34,172.73	38,951.52	1,166.77	35,815.46
Total.....	151,408.97	58,862.08	146,285.52	28,924.47	89,082.98
LIABILITIES					
Debentures outstanding.....	.....	.....	.....	20,400.00	.....
Accounts payable.....	141.44	1,205.72	251.70	11.18	1,272.20
Other.....	5.00	7.32	810.27	.....	112.00
Total liabilities.....	146.44	1,213.04	1,061.97	20,411.18	1,384.20
RESERVES					
Equity in Ontario Hydro systems.....	67,020.36	34,172.73	38,951.52	1,166.77	35,815.46
Other.....	280.13	.....	.....	.....	.....
Total reserves.....	67,300.49	34,172.73	38,951.52	1,166.77	35,815.46
CAPITAL					
Debentures redeemed.....	17,614.08	4,495.00	14,000.00	3,600.00	6,370.29
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	66,347.96	20,724.93	92,272.03	3,746.52	45,513.03
Frequency standardization expense charged this year.....	.....	1,743.62	.....	.....	.....
Total capital.....	83,962.04	23,476.31	106,272.03	7,346.52	51,883.32
Total.....	151,408.97	58,862.08	146,285.52	28,924.47	89,082.98
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	26,646.54	12,763.93	42,709.35	6,115.23	25,600.96
Street lighting.....	2,781.83	520.00	2,900.36	729.00	1,726.53
Other.....	260.00	258.38	465.22	157.22	1.93
Total revenue.....	29,688.37	13,542.31	46,074.93	7,001.45	27,329.42
EXPENSE					
Power—purchased.....	20,163.00	9,830.73	29,064.24	3,156.08	18,913.73
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	1,306.33	338.11	3,571.63	204.32	2,995.49
Administration.....	3,238.85	1,119.81	4,404.29	441.90	1,608.76
Fixed charges—interest and principal.....	7.86	12.34	.....	2,065.17	.....
—depreciation.....	1,796.00	768.00	2,565.00	527.00	1,341.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	26,512.04	12,068.99	39,605.16	6,394.47	24,858.98
Surplus or deficit.....	3,176.33	1,473.32	6,469.77	606.98	2,470.44
Number of customers.....	476	160	560	96	395

Statements for the Year Ended December 31, 1956

Markham	Marmora	Martintown	Maxville	Meaford	Merlin	Merrickville
3,191	1,342	440	798	3,492	528	885
\$ 201,360.87 26,825.82	\$ 64,771.98 24,569.38	\$ 19,890.85 3,951.11	\$ 46,560.20 8,289.85	\$ 220,214.02 38,270.10	\$ 51,632.53 14,840.68	\$ 58,137.45 4,268.17
174,535.05	40,202.60	15,939.74	38,270.35	181,943.92	36,791.85	53,869.28
.....	1,933.16	3,410.67	6,957.85	19,351.12	4,574.52	6,472.02
.....	3,000.00	.....	1,500.00	.....	.....	.....
3,934.46	116.48	1,588.75	645.99	827.27	1,490.69	4,367.48
3,934.46	5,049.64	4,999.42	9,103.84	20,178.39	6,065.21	10,839.50
.....	1,866.46	.....	.....	5,369.87	588.89	.....
.....	.....	.....	.....	484.17	3,194.44	.....
401.71	.....	.....	.....	.....	.....	.....
401.71	1,866.46	.....	.....	5,854.04	3,783.33	.....
72,647.58	25,557.99	7,453.23	29,503.52	126,476.06	31,352.01	6,605.44
251,518.80	72,676.69	28,392.39	76,877.71	334,452.41	77,992.40	71,314.22
26,174.77	.....	.....	.....	.....	.....	19,200.00
36,063.77	.....	733.53	13.25	71.69	152.13	3,199.29
415.00	810.00	120.00	109.89	4,413.94	100.28	650.00
62,653.54	810.00	853.53	123.14	4,485.63	252.41	23,049.29
72,647.58	25,557.99	7,453.23	29,503.52	126,476.06	31,352.01	6,605.44
355.35	.....	81.02	295.87	100.05	13.58	.....
73,002.93	25,557.99	7,534.25	29,799.39	126,576.11	31,365.59	6,605.44
13,198.86	15,091.58	5,346.73	13,642.40	47,724.76	13,122.36	5,800.00
.....
102,663.47	31,217.12	14,657.88	33,312.78	155,665.91	33,252.04	35,859.49
.....
115,862.33	46,308.70	20,004.61	46,955.18	203,390.67	46,374.40	41,659.49
251,518.80	72,676.69	28,392.39	76,877.71	334,452.41	77,992.40	71,314.22
94,099.80	34,047.11	8,251.86	20,462.13	111,167.90	15,316.46	22,207.74
2,518.25	2,146.00	312.00	1,360.36	5,792.75	997.00	2,240.64
1,275.61	271.42	12.68	199.12	1,560.57	2,631.71	89.27
97,893.66	36,464.53	8,576.54	22,021.61	118,521.22	18,945.17	24,537.65
63,772.91	23,942.26	4,238.29	14,204.13	86,318.56	9,897.21	12,514.18
.....
3,669.90	4,480.16	365.60	1,104.88	8,045.28	886.83	1,625.00
5,968.06	2,871.83	637.21	1,181.81	8,335.97	4,110.63	2,248.69
3,168.11	1.00	.....	.....	.....	.....	1,810.50
4,281.00	1,296.00	520.00	1,184.00	5,262.00	1,505.00	1,220.00
50.00	.....	.....	.....	.....	.....	.....
80,909.98	32,591.25	5,761.10	17,674.82	107,961.81	16,399.67	19,418.37
16,983.68	3,873.28	2,815.44	4,346.79	10,559.41	2,545.50	5,119.28
1,056	489	116	292	1,438	239	347

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Merritton	Midland	Mildmay	Millbrook	Milton
Population.....	5,375	8,115	854	766	4,315
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	417,153.14	550,134.68	35,730.62	36,097.07	348,082.81
Accumulated depreciation.....	67,821.70	207,808.37	4,187.72	8,561.16	56,538.12
Net fixed assets.....	349,331.44	342,326.31	31,542.90	27,535.91	291,544.69
CURRENT ASSETS					
Cash on hand and in bank.....	49,492.21	56,023.06	4,920.95	11,058.12	19,990.89
Investment in Government securities.....	87,000.00	115,000.00	13,000.00	11,000.00	.....
Accounts receivable.....	2,056.35	15,184.15	6.10	244.17	2,281.06
Total current assets.....	138,548.56	186,207.21	17,927.05	22,302.29	22,271.95
OTHER ASSETS					
Inventory of stores.....	22,871.78	7,623.65	.....	832.49	6,998.66
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	197.65	1,292.51	91.28	.....	67.90
Total other assets.....	23,069.43	8,916.16	91.28	832.49	7,066.56
Equity in Ontario Hydro systems.....	835,833.38	649,615.28	19,287.84	12,430.62	298,757.23
Total.....	1,346,782.81	1,187,064.96	68,849.07	63,101.31	619,640.43
LIABILITIES					
Debentures outstanding.....	.....	.....	.....	.....	86,454.32
Accounts payable.....	707.06	76.78	21.13	28.60	1,024.01
Other.....	2,117.23	2,461.07	230.73	605.79	3,793.53
Total liabilities.....	2,824.29	2,537.85	251.86	634.39	91,271.86
RESERVES					
Equity in Ontario Hydro systems.....	835,833.38	649,615.28	19,287.84	12,430.62	298,757.23
Other.....	.....	1,302.06	.....	.....	2,221.04
Total reserves.....	835,833.38	650,917.34	19,287.84	12,430.62	300,978.27
CAPITAL					
Debentures redeemed.....	32,186.21	111,944.99	12,303.50	9,000.00	40,592.09
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	477,691.02	421,664.78	37,005.87	41,036.30	186,798.21
Frequency standardization expense charged this year.....	1,752.09	.....	.....	.....	.....
Total capital.....	508,125.14	533,609.77	49,309.37	50,036.30	227,390.30
Total.....	1,346,782.81	1,187,064.96	68,849.07	63,101.31	619,640.43
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	663,911.49	291,310.42	18,253.89	23,831.25	209,116.62
Street lighting.....	10,012.50	7,998.50	1,393.38	1,236.96	9,989.55
Other.....	5,151.15	3,028.31	478.20	253.02	741.40
Total revenue.....	679,075.14	302,337.23	20,125.47	25,321.23	219,847.57
EXPENSE					
Power—purchased.....	579,316.23	190,318.00	15,070.80	13,628.83	136,046.26
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	20,741.77	24,156.66	2,264.35	1,351.78	9,528.27
Administration.....	23,433.20	13,932.05	1,739.82	2,833.96	17,423.15
Fixed charges—interest and principal.....	.....	.....	.....	.....	6,985.85
—depreciation.....	10,617.00	11,274.00	845.00	989.00	8,281.00
—other.....	.....	.....	.....	.....	50.00
Total expense.....	634,108.20	239,680.71	19,919.97	18,803.57	178,314.53
Surplus or deficit.....	44,966.94	62,656.52	205.50	6,517.66	41,533.04
Number of customers.....	1,580	2,586	308	309	1,490

Statements for the Year Ended December 31, 1956

Milverton	Mimico	Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest
1,080	13,309	2,119	303	2,157	828	2,424
\$ 65,456.14 12,681.97	\$ 680,169.91 146,469.32	\$ 190,666.12 43,777.25	\$ 19,008.84 4,082.33	\$ 102,529.21 9,333.33	\$ 39,311.78 8,380.45	\$ 114,991.96 28,184.42
52,774.17	533,700.59	146,888.87	14,926.51	93,915.88	30,931.33	86,807.54
14,401.10	100,746.89	12,512.60	423.86	8,603.09	4,875.99	27,670.62
.....	115,000.00	8,000.00	1,000.00	11,000.00	1,000.00	20,000.00
274.25	5,193.09	6,882.70	15.63	4,550.41	884.27	2,431.22
14,675.35	220,939.98	27,395.30	1,439.49	24,153.50	6,760.26	50,101.84
.....	1,483.97	17,148.22	.....	4,575.61	.....	4,078.06
.....
172.20	623.49	236.34	20.25	80.00	76.86	112.23
172.20	2,107.46	17,384.56	20.25	4,655.61	76.86	4,190.29
115,209.22	458,433.98	141,152.17	18,442.84	33,510.23	23,579.87	112,054.70
182,830.94	1,215,182.01	332,820.90	34,829.09	155,515.22	61,348.32	253,154.37
14,000.00	102,500.00	20,500.00	.....	.....	.....	.....
204.99	2,156.01	1,669.55	205.15	2,321.60	362.48	1,933.58
.....	23,838.74	822.76	2.22	2,988.22	331.45	166.52
14,204.99	128,494.75	22,992.31	207.37	5,309.82	693.93	2,100.10
115,209.22	458,433.98	141,152.17	18,442.84	33,510.23	23,579.87	112,054.70
141.25	5,621.07	1,155.03	.....	.....	94.03	.....
115,350.47	464,055.05	142,307.20	18,442.84	33,510.23	23,673.90	112,054.70
10,500.00	149,500.00	26,795.22	4,500.00	31,636.00	4,220.00	25,351.63
.....
42,775.48	473,132.21	140,726.17	11,678.88	85,059.17	32,760.49	113,647.94
.....
53,275.48	622,632.21	167,521.39	16,178.88	116,695.17	36,980.49	138,999.57
182,830.94	1,215,182.01	332,820.90	34,829.09	155,515.22	61,348.32	253,154.37
47,064.44	384,816.25	88,540.64	8,023.18	63,390.10	18,090.15	74,275.16
2,360.64	14,625.37	4,712.75	685.00	4,914.14	1,019.17	3,140.25
116.07	10,434.22	1,172.83	31.60	2,798.33	32.58	996.24
49,541.15	409,875.84	94,426.22	8,739.78	71,102.57	19,141.90	78,411.65
33,489.55	227,439.42	55,780.78	6,735.91	44,242.59	10,422.40	52,186.03
.....	.....	.....	.....	1,975.29	.....	.....
3,268.20	31,770.21	10,621.42	604.09	7,431.37	1,167.96	7,458.68
3,232.39	40,315.26	11,229.21	477.40	7,098.15	2,114.68	4,805.90
1,053.65	9,453.71	1,863.60	.....	.....	.....	.....
1,694.00	17,659.00	4,966.00	525.00	2,192.00	1,069.00	3,136.00
.....	500.00	.....	.....	.....	.....	.....
42,737.79	327,137.60	84,461.01	8,342.40	62,939.40	14,774.04	67,586.61
6,803.36	82,738.24	9,965.21	397.38	8,163.17	4,367.86	10,825.04
439	4,630	859	128	844	320	911

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Napanee	Neustadt	Newboro	Newburgh	Newbury
Population	4,232	474	316	554	332
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	242,577.82	34,179.13	26,813.54	37,502.50	15,928.71
Accumulated depreciation.....	53,356.03	10,783.45	3,163.09	14,221.14	8,671.44
Net fixed assets.....	189,221.79	23,395.68	23,650.45	23,281.36	7,257.27
CURRENT ASSETS					
Cash on hand and in bank.....	13,452.89	3,107.43	1,142.46	3,730.21	6,599.81
Investment in Government securities.....	40,000.00	19,200.00	5,000.00	3,000.00	6,500.00
Accounts receivable.....	23,497.27	109.45	216.73	149.08	187.32
Total current assets.....	76,950.16	22,416.88	6,359.19	6,879.29	13,287.13
OTHER ASSETS					
Inventory of stores.....	8,325.90				
Sinking fund on local debentures.....					
Miscellaneous.....	247.18				1,487.88
Total other assets.....	8,573.08				1,487.88
Equity in Ontario Hydro systems.....	177,424.96	18,247.59	1,571.89	3,351.38	12,716.28
Total.....	452,169.99	64,060.15	31,581.53	33,712.03	34,748.56
LIABILITIES					
Debentures outstanding.....			12,152.18	7,250.00	
Accounts payable.....	119.86	95.34	2,545.80	332.39	
Other.....	3,902.65	203.85	100.00	166.00	109.24
Total liabilities.....	4,022.51	299.19	14,797.98	7,748.39	109.24
RESERVES					
Equity in Ontario Hydro systems.....	177,424.96	18,247.59	1,571.89	3,551.38	12,716.28
Other.....					
Total reserves.....	177,424.96	18,247.59	1,571.89	3,551.38	12,716.28
CAPITAL					
Debentures redeemed.....	70,000.00	15,504.12	4,847.82	6,750.00	9,754.39
Local sinking fund.....					
Residual surplus.....	200,722.52	30,009.25	10,363.84	15,662.26	12,168.65
Frequency standardization expense charged this year.....					
Total capital.....	270,722.52	45,513.37	15,211.66	22,412.26	21,923.04
Total.....	452,169.99	64,060.15	31,581.53	33,712.03	34,748.56
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	150,710.88	13,778.47	5,185.16	13,719.82	5,659.94
Street lighting.....	6,607.63	827.00	679.98	555.00	720.00
Other.....	8,981.68	472.48	199.26	91.65	354.85
Total revenue.....	166,300.19	15,077.95	6,064.40	14,366.47	6,734.79
EXPENSE					
Power—purchased.....	109,208.48	10,246.53	2,506.13	7,507.35	4,332.03
—generated.....					
Operation and maintenance (excluding generation).....	12,457.35	624.82	594.50	375.54	302.50
Administration.....	25,001.04	1,530.71	733.56	1,444.08	594.36
Fixed charges—interest and principal.....			1,145.86	1,426.50	
—depreciation.....	6,282.00	1,071.00	591.00	755.00	403.00
—other.....					
Total expense.....	152,948.87	13,473.06	5,571.05	11,508.47	5,631.89
Surplus or deficit.....	13,351.32	1,604.89	493.35	2,858.00	1,102.90
Number of customers.....	1,621	199	125	178	135

Statements for the Year Ended December 31, 1956

Newcastle 1,055	New Hamburg 1,980	Newmarket 7,420	New Toronto 9,878	Niagara 2,600	Niagara Falls 23,818	North York Twp. 165,544
\$ 75,512.65 37,603.31	\$ 128,243.54 21,186.23	\$ 414,856.40 83,974.79	\$ 732,701.92 123,106.88	\$ 211,580.98 29,060.45	\$ 1,664,380.55 409,774.20	\$ 12,402,030.92 1,161,357.89
37,909.34	107,057.31	330,881.61	609,595.04	182,520.53	1,254,606.35	11,240,673.03
6,187.55	50.00	6,190.29	50,158.47	15,828.50	81,213.52	188,057.74
10,500.00	.....	.....	30,000.00	.....	55,000.00	10,000.00
279.04	1,455.20	7,470.16	18,616.25	2,772.66	31,853.76	297,930.61
16,966.59	1,505.20	13,660.45	98,774.72	18,601.16	168,067.28	495,988.35
2,563.90	1,373.14	.....	15,505.54	13,616.07	62,865.22	385,395.11
.....	.....	.....	.....	.....	.....	47,494.34
.....	335.80	241.55	1,003.95	.....	923.16	10,150.41
2,563.90	1,708.94	241.55	16,509.49	13,616.07	63,788.38	443,039.86
24,373.23	741,952.62	108,751.26	1,524,106.62	111,703.65	1,725,600.80	1,877,683.14
81,813.06	252,224.07	453,534.87	2,248,985.87	326,441.41	3,212,062.81	14,057,384.38
.....	14,000.00	75,095.33	.....	28,949.13	.....	6,384,692.07
.....	2,501.55	4,864.20	1,598.61	296.19	10,626.52	557,919.42
.....	282.50	3,503.42	9,934.86	2,392.48	41,063.19	197,947.74
.....	16,784.05	83,462.95	11,533.47	31,637.80	51,689.71	7,140,559.23
24,373.23	141,952.62	108,751.26	1,524,106.62	111,703.65	1,725,600.80	1,877,683.14
.....	33.83	3,804.52	1,301.50	479.26	320.07	179,124.04
24,373.23	141,986.45	112,555.78	1,525,408.12	112,182.91	1,725,920.87	2,056,807.18
14,000.00	18,729.08	19,904.67	8,000.00	51,558.54	690,243.00	1,543,616.40
.....	.....	.....	.....	.....	.....	47,494.34
43,439.83	74,903.75	237,611.47	704,044.28	131,062.16	755,018.27	3,268,907.23
.....	179.26	.....	.....	.....	10,809.04	.....
57,439.83	93,453.57	257,516.14	712,044.28	182,620.70	1,434,452.23	4,860,017.97
81,813.06	252,224.07	453,534.87	2,248,985.87	326,441.41	3,212,062.81	14,057,384.38
36,719.34	67,029.39	230,887.86	764,065.51	91,961.56	890,233.22	5,841,101.12
2,007.32	3,011.67	9,600.00	15,768.00	5,662.29	42,225.11	132,326.02
408.66	371.56	1,291.26	7,712.69	499.92	1,571.41	8,045.54
39,135.32	70,412.62	241,779.12	787,546.20	98,123.77	934,029.74	5,981,472.68
27,306.65	44,196.60	155,333.59	634,867.18	59,655.96	572,260.40	3,522,278.26
.....
3,685.68	8,504.86	14,012.45	29,235.52	10,552.66	126,361.78	339,427.66
4,743.69	4,292.00	14,633.84	37,315.58	6,703.85	64,022.84	358,798.00
25.28	1,514.24	6,432.71	.....	2,587.08	.....	545,136.44
1,032.00	2,963.00	10,775.00	18,396.00	5,154.00	48,192.00	256,474.00
.....	.....	600.00	.....	.....	.....	2,000.00
36,793.30	61,470.70	201,787.59	719,814.28	84,653.55	810,837.02	5,024,114.36
2,342.02	8,941.92	39,991.53	67,731.92	13,470.22	123,192.72	957,358.32
417	673	2,392	3,158	1,027	7,403	52,849

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Norwich	Norwood	Oakville	Oil Springs	Omemece
Population.....	1,588	981	9,995	486	800
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	67,948.42	91,650.29	982,877.71	47,169.88	51,297.61
Accumulated depreciation.....	20,339.87	18,223.07	156,976.93	18,345.53	18,522.74
Net fixed assets.....	47,608.55	73,427.22	825,900.78	28,824.35	32,774.87
CURRENT ASSETS					
Cash on hand and in bank.....	11,975.88	11,485.43	45,366.90	8,155.64	6,427.60
Investment in Government securities.....	7,500.00			11,000.00	11,000.00
Accounts receivable.....	1,654.04	2,983.00	16,293.89	134.83	186.64
Total current assets.....	21,129.92	14,468.43	61,660.79	19,290.47	17,614.24
OTHER ASSETS					
Inventory of stores.....	5,119.34		36,871.84	409.58	1,021.91
Sinking fund on local debentures.....					
Miscellaneous.....	124.08		2,378.57	38.01	
Total other assets.....	5,243.42		39,250.41	447.59	1,021.91
Equity in Ontario Hydro systems.....	103,443.24	26,304.44	120,446.72	59,870.24	14,316.23
Total.....	177,425.13	114,200.09	1,047,258.70	108,432.65	65,727.25
LIABILITIES					
Debentures outstanding.....		7,000.00	389,000.00		
Accounts payable.....	200.00	379.08	16,122.75	260.36	31.48
Other.....	1,098.50	758.87	13,970.00	35.00	183.83
Total liabilities.....	1,298.50	8,137.95	419,092.75	295.36	215.31
RESERVES					
Equity in Ontario Hydro systems.....	103,443.24	26,304.44	120,446.72	59,870.24	14,316.23
Other.....	77.18		16,814.84		44.72
Total reserves.....	103,520.42	26,304.44	137,261.56	59,870.24	14,360.95
CAPITAL					
Debentures redeemed.....	13,756.00	48,100.00	37,000.00	16,721.31	12,000.00
Local sinking fund.....					
Residual surplus.....	58,850.21	31,657.70	453,904.39	31,545.74	39,150.99
Frequency standardization expense charged this year.....					
Total capital.....	72,606.21	79,757.70	490,904.39	48,267.05	51,150.99
Total.....	177,425.13	114,200.09	1,047,258.70	108,432.65	65,727.25
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	52,475.74	29,240.16	454,047.10	14,085.04	19,411.59
Street lighting.....	3,304.00	2,281.00	11,989.90	923.96	1,585.38
Other.....	418.32	197.80	3,727.54	1,455.35	477.51
Total revenue.....	56,198.06	31,718.96	469,764.54	16,464.35	21,474.48
EXPENSE					
Power—purchased.....	36,748.77	19,118.02	256,105.05	9,540.68	13,196.77
—generated.....					
Operation and maintenance (excluding generation).....	6,106.60	1,260.60	23,496.96	1,319.80	2,975.52
Administration.....	4,109.90	2,610.76	37,570.55	2,565.54	2,054.20
Fixed charges—interest and principal.....		1,322.98	34,331.29		
—depreciation.....	1,993.00	2,438.00	22,868.00	1,022.00	1,028.00
—other.....			300.00		
Total expense.....	48,958.27	26,750.36	374,671.85	14,448.02	19,254.49
Surplus or deficit.....	7,239.79	4,968.60	95,092.69	2,016.33	2,219.99
Number of customers.....	648	384	3,411	217	291

Statements for the Year Ended December 31, 1956

Orangeville	Orillia	Orono	Oshawa	Ottawa	Otterville	Owen Sound
3,896	13,583	751	49,709	218,013	692	17,436
\$ 214,731.64 46,035.43	\$ 3,989,060.65 727,058.61	\$ 45,140.30 8,882.84	\$ 4,335,667.91 636,554.12	\$ 22,102,415.18 5,235,892.50	\$ 39,580.62 13,993.82	\$ 948,834.90 157,119.45
168,696.21	3,262,002.04	36,257.46	3,699,113.79	16,866,522.68	25,586.80	791,715.45
70.00	1,126.88	1,896.88	152,002.66	262,375.20	2,575.93	137,871.89
.....	92,040.90	10,000.00	400,000.00	543,000.00	2,000.00	70,000.00
1,565.65	42,755.66	247.30	203,837.71	1,780,416.35	310.08	49,357.32
1,635.65	135,923.44	12,144.18	755,840.37	2,585,791.55	4,886.01	257,229.21
7,088.54	83,508.13	1,663.85	107,912.56	517,999.52	108.00	45,191.36
.....
1,330.85	.....	42.00	2,851.04	5,506.80	.....	396.97
8,419.39	83,508.13	1,705.85	110,763.60	523,506.32	108.00	45,588.33
156,449.16	20,824.24	11,222.13	2,312,549.84	2,849,194.04	27,489.04	800,599.39
335,200.41	3,502,257.85	61,329.62	6,878,267.60	22,825,014.59	58,069.85	1,895,132.38
.....	1,018,000.00	.....	149,000.00	6,988,000.00	.....	65,000.00
12,361.03	22,888.48	23.80	168,746.73	1,015,126.06	.....	41,294.72
2,383.00	11,118.71	60.00	62,821.85	446,324.41	178.88	18,217.65
14,744.03	1,052,007.19	83.80	380,568.58	8,449,450.47	178.88	124,512.37
156,449.16	20,824.24	11,222.13	2,312,549.84	2,849,194.04	27,489.04	800,599.39
2.70	92,040.90	.....	27,487.40	425,259.30	.....	1,905.43
156,451.86	112,865.14	11,222.13	2,340,037.24	3,274,453.34	27,489.04	802,504.82
25,594.32	1,384,000.00	8,000.00	353,622.40	2,992,000.00	4,500.00	142,718.00
.....
138,410.20	953,385.52	42,023.69	3,804,039.38	8,109,110.78	25,901.93	825,397.19
.....
164,004.52	2,337,385.52	50,023.69	4,157,661.78	11,101,110.78	30,401.93	968,115.19
335,200.41	3,502,257.85	61,329.62	6,878,267.60	22,825,014.59	58,069.85	1,895,132.38
108,407.66	616,328.77	21,460.92	2,267,182.85	7,148,783.57	17,235.40	553,814.32
5,490.42	13,323.59	945.75	85,868.93	259,877.35	1,106.00	18,198.21
845.22	11,377.49	474.01	56,157.22	31,810.30	64.85	8,312.58
114,743.30	641,029.85	22,880.68	2,409,209.00	7,440,471.22	18,406.25	580,325.11
94,184.02	154,719.84	12,853.34	1,480,246.60	4,319,517.50	12,498.66	352,429.71
.....	134,893.48	.....	.....	203,253.01	.....	.....
10,109.61	71,479.90	2,206.93	120,238.84	758,701.47	1,357.12	61,803.43
7,984.86	66,618.93	3,952.55	109,139.73	505,741.59	1,540.27	53,644.25
163.84	99,306.49	.....	26,658.86	427,129.09	2.51	8,866.52
5,778.00	71,030.00	1,169.00	98,437.00	580,168.00	1,278.00	23,287.00
.....	.....	.....	.....	10,134.00	.....	.....
118,220.33	598,048.64	20,181.82	1,834,721.03	6,804,644.66	16,676.56	500,030.91
3,477.03	42,981.21	2,698.86	574,487.97	635,826.56	1,729.69	80,294.20
1,436	4,928	335	15,454	73,487	269	5,814

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Paisley	Palmerston	Paris	Parkhill	Parry Sound
Population.....	734	1,572	5,670	1,082	5,315
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	58,129.10	118,249.62	375,927.70	95,605.85	774,569.91
Accumulated depreciation.....	12,105.91	37,996.15	114,203.01	12,706.66	161,677.38
Net fixed assets.....	46,023.19	80,253.47	261,724.69	82,899.19	612,892.53
CURRENT ASSETS					
Cash on hand and in bank.....	4,668.97	5,133.45	10,544.91	4,330.13	350.00
Investment in Government securities.....	4,500.00	20,600.00	.....	6,000.00	32,800.00
Accounts receivable.....	114.22	156.72	1,562.36	2,557.32	1,331.53
Total current assets.....	9,283.19	25,890.17	12,107.27	12,887.45	34,481.53
OTHER ASSETS					
Inventory of stores.....	.....	11,198.29	121.49	.....	3,976.91
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	150.00	1,694.75	119.73	.....
Total other assets.....	.....	11,348.29	1,816.24	119.73	3,976.91
Equity in Ontario Hydro systems.....	35,145.66	126,000.39	326,906.43	61,492.15	25,642.45
Total.....	90,452.04	243,492.32	602,554.63	157,398.52	676,993.42
LIABILITIES					
Debentures outstanding.....	.....	.....	20,600.00	11,300.00	77,500.00
Accounts payable.....	178.81	5,266.33	1,228.62	322.51	13,919.93
Other.....	214.17	450.48	.....	253.32	7,317.73
Total liabilities.....	392.98	5,716.81	21,828.62	11,875.83	98,737.66
RESERVES					
Equity in Ontario Hydro systems.....	35,145.66	126,000.39	326,906.43	61,492.15	25,642.45
Other.....	.....	109.86	188.00	.....	146.19
Total reserves.....	35,145.66	126,110.25	327,094.43	61,492.15	25,788.64
CAPITAL					
Debentures redeemed.....	13,623.35	27,000.00	96,400.00	18,330.02	391,000.00
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	41,290.05	84,665.26	157,231.58	65,700.52	161,467.12
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	54,913.40	111,665.26	253,631.58	84,030.54	552,467.12
Total.....	90,452.04	243,492.32	602,554.63	157,398.52	676,993.42
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	20,288.95	50,136.16	159,563.35	41,867.93	134,918.25
Street lighting.....	2,025.00	4,705.36	12,204.15	3,203.20	7,058.41
Other.....	143.77	835.65	238.64	972.56	2,000.36
Total revenue.....	22,457.72	55,677.17	172,006.14	46,043.69	143,977.02
EXPENSE					
Power—purchased.....	13,266.26	37,831.51	109,758.21	26,288.37	51,634.92
—generated.....	.....	.....	.....	.....	26,579.01
Operation and maintenance (excluding generation).....	1,510.56	5,910.52	17,118.53	3,541.29	19,568.55
Administration.....	2,072.05	5,978.55	13,647.43	4,191.50	19,065.34
Fixed charges—interest and principal.....	.....	6.02	1,972.00	1,120.00	6,038.31
—depreciation.....	1,383.00	2,075.00	11,377.00	2,209.00	13,886.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	18,231.87	51,801.60	153,873.17	37,350.16	136,772.13
Surplus or deficit.....	4,225.85	3,875.57	18,132.97	8,693.53	7,204.89
Number of customers.....	323	612	1,799	479	1,793

Statements for the Year Ended December 31, 1956

Penetan- guishene 4,584	Perth 5,124	Peterborough 41,908	Petrolia 3,446	Picton 4,836	Plattsville 430	Point Edward 2,513
\$ 239,350.53 68,314.50	\$ 288,515.61 85,875.50	\$ 3,915,540.94 810,098.42	\$ 261,901.64 75,538.36	\$ 347,046.67 78,585.32	\$ 23,832.89 3,669.78	\$ 189,811.23 34,266.40
171,036.03	202,640.11	3,105,442.52	186,363.28	268,461.35	20,163.11	155,544.83
19,552.81	13,150.45	248,552.82	6,711.84	125.00	16,118.57	53,882.00
15,000.00	81,000.00	.....	.....	3,000.00	4,500.00	25,000.00
920.43	2,699.62	130,389.00	14,263.58	2,709.32	792.32	4,034.24
35,473.24	96,850.07	378,941.82	20,975.42	5,834.32	21,410.89	82,916.24
495.72	13,522.67	65,184.07	16,827.90	14,571.33	.....	2,456.84
.....	.....	.....	.....	.....	85.00	1,575.67
4,936.28	.....	307.64	883.03	.....	.....	.....
5,432.00	13,522.67	65,491.71	17,710.93	14,571.33	85.00	4,032.51
194,217.34	242,840.54	1,540,941.50	269,440.53	204,907.56	32,970.96	243,706.31
406,158.61	555,853.39	5,090,817.55	494,490.16	493,774.56	74,629.96	486,199.89
.....	.....	1,021,800.00	.....	49,805.18	.....	.....
86.25	.....	113,478.80	1,652.45	9,813.01	16.00	2,448.80
1,461.50	4,076.64	3,156.06	3,526.84	9,539.36	.....	1,124.77
1,547.75	4,076.64	1,138,434.86	5,179.29	69,157.55	16.00	3,573.57
194,217.34	242,840.54	1,540,941.50	269,440.53	204,907.56	32,970.96	243,706.31
913.15	3,445.32	146.76	63.00	2,465.86	.....	100.00
195,130.49	246,285.86	1,541,088.26	269,503.53	207,373.42	32,970.96	243,806.31
36,982.95	85,045.30	637,810.67	50,000.00	13,377.14	5,237.00	17,000.00
172,497.42	220,445.59	1,773,483.76	169,807.34	203,866.45	36,406.00	221,820.01
.....
209,480.37	305,490.89	2,411,294.43	219,807.34	217,243.59	41,643.00	238,820.01
406,158.61	555,853.39	5,090,817.55	494,490.16	493,774.56	74,629.96	486,199.89
112,033.87	145,463.27	1,583,004.73	108,815.52	143,948.23	24,036.90	194,053.60
4,978.50	6,639.34	59,580.44	6,425.56	6,089.07	603.00	3,388.18
1,466.59	4,288.96	4,620.84	1,445.29	1,530.78	209.16	1,732.72
118,478.96	156,391.57	1,647,206.01	116,686.37	151,568.08	24,849.06	199,174.50
71,771.20	114,846.16	1,029,850.00	61,318.82	106,501.28	17,725.52	138,799.89
.....
12,859.43	10,496.29	157,649.37	18,811.28	15,086.16	256.40	5,262.07
7,333.30	14,574.54	86,579.94	16,620.80	13,842.49	389.80	12,369.46
.....	.....	80,108.25	1.41	7,423.03	.....	38.62
4,300.00	5,160.00	101,994.00	7,725.00	9,232.00	580.00	4,359.00
.....	.....	.....	.....	.....	.....	100.00
96,263.93	145,076.99	1,456,181.56	104,477.31	152,084.96	18,951.72	160,929.04
22,215.03	11,314.58	191,024.45	12,209.06	516.88	5,897.34	38,245.46
1,328	1,858	13,572	1,313	1,826	180	745

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Port Burwell	Port Colborne	Port Credit	Port Dalhousie	Port Dover
Population.....	708	14,222	6,132	2,915	2,722
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	56,987.73	707,158.11	391,823.63	183,947.84	180,293.49
Accumulated depreciation.....	20,667.00	87,124.54	52,343.98	14,263.14	49,339.21
Net fixed assets.....	36,320.73	620,033.57	339,479.65	169,684.70	130,954.28
CURRENT ASSETS					
Cash on hand and in bank.....	13,615.71	4,725.52	11,435.47	2,187.59	1,801.90
Investment in Government securities.....		10,000.00	3,500.00		
Accounts receivable.....	326.61	3,810.35	5,880.75	4,017.67	4,451.40
Total current assets.....	13,942.32	18,535.87	20,816.22	6,205.26	6,253.30
OTHER ASSETS					
Inventory of stores.....		13,958.39	5,910.67	1,270.96	
Sinking fund on local debentures.....					
Miscellaneous.....	80.00	91,178.08	31.28	472.78	1,637.05
Total other assets.....	80.00	105,136.47	5,941.95	1,743.74	1,637.05
Equity in Ontario Hydro systems.....	5,268.35	391,584.38	169,853.34	128,986.11	95,401.34
Total.....	55,611.40	1,135,290.29	536,091.16	306,619.81	234,245.97
LIABILITIES					
Debentures outstanding.....	38,400.00	154,182.73	45,213.37	32,726.85	18,093.20
Accounts payable.....	22.44	33,667.01	41,028.06	6,057.06	446.89
Other.....	1,040.00	8,504.20	9,692.14	2,355.30	2,313.88
Total liabilities.....	39,462.44	196,353.94	95,933.57	41,139.21	20,853.97
RESERVES					
Equity in Ontario Hydro systems.....	5,268.35	391,584.38	169,853.34	128,986.11	95,401.34
Other.....	1,226.65	1,381.27	3,138.96	54.50	668.67
Total reserves.....	6,495.00	392,965.65	172,992.30	129,040.61	96,070.01
CAPITAL					
Debentures redeemed.....	1,600.00	188,817.27	54,286.63	36,773.15	30,906.80
Local sinking fund.....					
Residual surplus.....	8,053.96	381,370.27	212,878.66	110,121.07	86,415.19
Frequency standardization expense charged this year.....		24,216.84		10,454.23	
Total capital.....	9,653.96	545,970.70	267,165.29	136,439.99	117,321.99
Total.....	55,611.40	1,135,290.29	536,091.16	306,619.81	234,245.97
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	22,144.29	321,945.19	266,855.88	91,802.06	89,111.44
Street lighting.....	1,099.39	20,125.55	6,495.00	3,752.50	5,488.12
Other.....	2.51	28.48	232.99	84.33	42.66
Total revenue.....	23,246.19	342,099.22	273,583.87	95,638.89	94,642.22
EXPENSE					
Power—purchased.....	8,098.00	185,011.42	181,502.92	55,097.53	63,173.03
—generated.....					
Operation and maintenance (excluding generation).....	2,063.30	49,631.25	12,897.29	11,363.79	12,350.21
Administration.....	1,834.68	32,802.12	15,965.08	13,848.68	6,186.15
Fixed charges—interest and principal	2,976.66	8,097.82	10,666.49	4,911.06	1,608.86
—depreciation.....	1,781.00	16,336.00	8,370.00	4,085.00	5,164.00
—other.....			450.00		
Total expense.....	16,753.64	291,878.61	229,851.78	89,306.06	88,482.25
Surplus or deficit.....	6,492.55	50,220.61	43,732.09	6,332.83	6,159.97
Number of customers.....	411	4,364	2,357	1,033	1,398

Statements for the Year Ended December 31, 1956

Port Elgin 1,725	Port Hope 7,240	Port McNicol 953	Port Perry 2,180	Port Rowan 768	Port Stanley 1,346	Prescott 4,991
\$ 136,626.93 18,293.30	\$ 506,745.33 90,516.24	\$ 56,517.47 9,787.96	\$ 113,976.98 15,639.20	\$ 43,781.49 7,192.89	\$ 140,641.94 38,368.69	\$ 229,925.13 70,003.84
118,333.63	416,229.09	46,729.51	98,337.78	36,588.60	102,273.25	159,921.29
1,600.41	6,500.11	8,441.26	16,831.09	3,847.69	8,008.78	33,270.93
1,500.00	.....	11,000.00	16,000.00	.....	18,000.00	20,000.00
466.83	1,484.94	3,358.50	572.13	4,914.39	2,404.88	15,167.13
3,567.24	7,985.05	22,799.76	33,403.22	8,762.08	28,413.66	68,438.06
842.46	25,301.62	638.64	.....	.....	670.70	6,916.92
.....	96.32	.....	1,024.00	229.98	4,599.14	2,000.00
842.46	25,397.94	638.64	1,024.00	229.98	5,269.84	8,916.92
66,099.05	314,852.48	35,419.75	63,903.66	23,270.56	126,973.54	178,542.74
188,842.38	764,464.56	105,587.66	196,668.66	68,851.22	262,930.29	415,819.01
.....	118,100.00	.....	.....	.....	.....	5,300.00
89.55	.....	.....	1,012.09	578.69	198.00	779.33
.....	21,076.66	494.80	1,184.55	320.83	643.00	2,753.40
89.55	139,176.66	494.80	2,196.64	899.52	841.00	8,832.73
66,099.05	314,852.48	35,419.75	63,903.66	23,270.56	126,973.54	178,542.74
129.00	9,064.36	59.70	100.00	.....	81.67	.....
66,228.05	323,916.84	35,479.45	64,003.66	23,270.56	127,055.21	178,542.74
37,787.00	95,900.00	9,803.58	19,881.66	11,000.00	18,950.00	18,870.99
84,737.78	205,471.06	59,809.83	110,586.70	33,681.14	116,084.08	209,572.55
.....
122,524.78	301,371.06	69,613.41	130,468.36	44,681.14	135,034.08	228,443.54
188,842.38	764,464.56	105,587.66	196,668.66	68,851.22	262,930.29	415,819.01
67,291.67	323,673.71	55,775.30	61,509.22	15,739.24	70,889.97	166,965.45
4,075.71	10,015.23	1,269.40	2,820.37	1,212.00	5,128.86	5,985.56
175.96	1,382.61	249.57	1,015.66	235.37	597.92	916.84
71,543.34	335,071.55	57,294.27	65,345.25	17,186.61	76,616.75	173,867.85
43,856.92	252,596.03	46,095.93	36,799.01	10,032.72	45,882.44	96,512.92
.....
8,904.81	31,189.76	3,155.49	5,304.58	971.68	9,998.35	14,255.49
8,603.01	25,100.87	2,380.33	4,980.96	1,025.85	6,316.63	15,289.53
5.50	16,617.18	.....	.....	.....	.....	1,427.50
3,194.00	12,347.00	1,411.00	2,769.00	1,127.00	4,101.00	4,201.00
.....
64,564.24	337,850.84	53,042.75	49,853.55	13,157.25	66,298.42	131,686.44
6,979.10	2,779.29	4,251.52	15,491.70	4,029.36	10,318.33	42,181.41
972	2,577	500	765	323	1,147	1,577

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Preston	Priceville	Princeton	Queenston	Renfrew
Population.....	9,334	174	367	423	8,401
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	864,580.07	15,268.59	25,604.72	28,511.36	1,130,234.57
Accumulated depreciation.....	168,467.86	3,647.39	4,708.34	4,568.26	203,577.11
Net fixed assets.....	696,112.21	11,621.20	20,896.38	23,943.10	926,657.46
CURRENT ASSETS					
Cash on hand and in bank.....	3,434.07	3,202.02	976.40	6,281.53	41,154.22
Investment in Government securities.....		3,000.00	5,000.00	4,000.00	
Accounts receivable.....	5,033.37	38.21	1,101.60	440.14	34,600.23
Total current assets.....	8,467.44	6,240.23	7,078.00	10,721.67	75,754.45
OTHER ASSETS					
Inventory of stores.....	34,638.94				16,157.50
Sinking fund on local debentures.....					
Miscellaneous.....	63,191.69		61.00		
Total other assets.....	97,830.63		61.00		16,157.50
Equity in Ontario Hydro systems.....	745,482.22	3,050.64	28,889.92	21,722.45	60,494.17
Total.....	1,547,892.50	20,912.07	56,925.30	56,387.22	1,079,063.58
LIABILITIES					
Debentures outstanding.....	277,080.00	4,450.00			230,058.71
Accounts payable.....	1,355.37	925.31	969.66	36.70	12,359.26
Other.....	6,147.82		20.00	170.00	2,475.00
Total liabilities.....	284,583.19	5,375.31	989.66	206.70	244,892.97
RESERVES					
Equity in Ontario Hydro systems.....	745,482.22	3,050.64	28,889.92	21,722.45	60,494.17
Other.....	6,223.73				3,926.83
Total reserves.....	751,705.95	3,050.64	28,889.92	21,722.45	64,421.00
CAPITAL					
Debentures redeemed.....	200,720.00	7,716.10	3,550.00	9,500.00	541,178.02
Local sinking fund.....					
Residual surplus.....	310,883.36	4,770.02	23,495.72	24,958.07	228,571.59
Frequency standardization expense charged this year.....					
Total capital.....	511,603.36	12,486.12	27,045.72	34,458.07	769,749.61
Total.....	1,547,892.50	20,912.07	56,925.30	56,387.22	1,079,063.58
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	411,877.69	3,293.61	10,683.49	15,515.62	258,855.53
Street lighting.....	20,263.94	267.00	774.00	1,200.00	11,690.37
Other.....	1,245.33	1.34	151.32	120.00	1,952.87
Total revenue.....	433,386.96	3,561.95	11,608.81	16,835.62	272,498.77
EXPENSE					
Power—purchased.....	255,607.94	1,615.30	8,678.00	10,821.24	104,481.90
—generated.....					41,726.35
Operation and maintenance (excluding generation).....	33,426.50	378.58	314.56	567.51	20,280.97
Administration.....	19,944.29	394.95	688.29	1,043.46	29,639.13
Fixed charges—interest and principal.....	28,005.88	426.24	2.00		23,438.90
—depreciation.....	21,917.00	438.00	663.00	737.00	25,350.00
—other.....					
Total expense.....	358,901.61	3,253.07	10,345.85	13,169.21	244,917.25
Surplus or deficit.....	74,485.35	308.88	1,262.96	3,666.41	27,581.52
Number of customers.....	2,878	66	153	152	2,563

Statements for the Year Ended December 31, 1956

Richmond 775	Richmond Hill 7,996	Ridgetown 2,483	Ripley 448	Riverside 13,726	Rockland 2,743	Rockwood 797
\$ 45,577.80 2,475.94	\$ 559,881.75 32,279.20	\$ 156,552.32 16,388.83	\$ 34,646.92 4,693.72	\$ 543,072.65 107,924.44	\$ 64,245.15 13,804.94	\$ 43,518.73 11,792.59
43,101.86	527,602.55	140,163.49	29,953.20	435,148.21	50,440.21	31,726.14
2,022.62	7,270.50	9,837.47	8,588.24	32,864.11	15,727.25	4,791.18
1,034.95	7,492.31	2,029.13	5,000.00 65.30	10,575.29	8,153.29	1,500.00 40.84
3,057.57	14,762.81	11,866.60	13,653.54	43,439.40	23,880.54	6,332.02
		208.28		25,684.50		88.83
	957.94	9,922.86		359.48		5,479.87
14,454.85	957.94 97,207.85	10,131.14 123,740.30	25,411.99	26,043.98 290,028.31	3,777.71	5,568.70 33,767.68
60,614.28	640,531.15	285,901.53	69,018.73	794,659.90	78,098.46	77,394.54
7,400.00	289,756.14	59,048.22		54,165.99	23,000.00	7,731.35
	113,769.40	2,167.42	91.51	491.39	1,044.92	675.95
320.73	7,578.15	1,775.00	598.24	5,444.07	1,497.00	450.74
7,720.73	411,103.69	62,990.64	689.75	60,101.45	25,541.92	8,858.04
14,454.85	97,207.85	123,740.30	25,411.99	290,028.31	3,777.71	33,767.68
448.38	15,226.09	3,547.22		167.99	1,046.60	147.16
14,903.23	112,433.94	127,287.52	25,411.99	290,196.30	4,824.31	33,914.84
6,487.33	22,443.86	22,407.77	12,744.49	108,334.01	2,000.00	4,768.65
31,502.99	94,549.66	77,763.08	30,172.50	344,215.77	45,732.23	29,853.01
		4,547.48		8,187.63		
37,990.32	116,993.52	95,623.37	42,916.99	444,362.15	47,732.23	34,621.66
60,614.28	640,531.15	285,901.53	69,018.73	794,659.90	78,098.46	77,394.54
17,735.09	238,870.02	68,307.82	15,162.61	316,985.96	44,361.30	21,260.19
616.87	5,673.16	6,384.85	1,082.00	10,683.35	1,776.87	1,216.58
8.71	588.04	1,077.11	164.00	3,448.43	156.16	204.46
18,360.67	245,131.22	75,769.78	16,408.61	331,117.74	46,294.33	22,681.23
9,739.81	160,893.03	44,544.40	9,997.58	178,864.87	22,534.68	13,952.48
1,078.43	6,418.95	8,505.52	1,324.06	22,401.97	5,728.20	869.02
620.17	20,383.80	9,878.81	1,138.33	27,680.12	2,291.46	1,837.86
641.70	21,823.29	3,607.67	1.53	10,146.36	2,057.50	588.65
934.00	10,408.00	3,452.00	845.00	13,463.00	1,755.00	1,281.00
	250.00					
13,014.11	220,177.07	69,988.40	13,306.50	252,556.32	34,366.84	18,529.01
5,346.56	24,954.15	5,781.38	3,102.11	78,561.42	11,927.49	4,152.22
240	2,901	1,001	217	4,421	640	281

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Rodney	Rosseau	Russell	St. Catharines	St. Clair Beach 898
Population.....	1,021	210	425	40,147	
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	51,061.69	19,500.69	33,376.81	2,817,961.18	64,756.33
Accumulated depreciation.....	16,041.44	5,266.84	4,429.12	474,823.84	12,230.42
Net fixed assets.....	35,020.25	14,233.85	28,947.69	2,343,137.34	52,525.91
CURRENT ASSETS					
Cash on hand and in bank.....	2,261.61	3,521.12	9,955.08	7,981.11	1,113.89
Investment in Government securities.....	5,200.00	1,500.00	8,000.00	100,000.00	
Accounts receivable.....	602.13	59.15	1,484.53	171,666.14	1,030.50
Total current assets.....	8,063.74	5,080.27	19,439.61	279,647.25	2,144.39
OTHER ASSETS					
Inventory of stores.....				114,022.51	96.00
Sinking fund on local debentures.....					
Miscellaneous.....	2,292.73	50.00		2,852.39	
Total other assets.....	2,292.73	50.00		116,874.90	96.00
Equity in Ontario Hydro systems.....	41,114.45	11,492.34	17,774.58	2,562,181.77	23,017.86
Total.....	86,491.17	30,856.46	66,161.88	5,301,841.26	77,784.16
LIABILITIES					
Debentures outstanding.....					10,000.00
Accounts payable.....	4,584.64	1,456.98	2,142.20	130,521.42	613.79
Other.....	320.00	60.00	315.00	44,839.60	225.00
Total liabilities.....	4,904.64	1,516.98	2,457.20	175,361.02	10,838.79
RESERVES					
Equity in Ontario Hydro systems....	41,114.45	11,492.34	17,774.58	2,562,181.77	23,017.86
Other.....	73.15	68.08		2,500.00	870.19
Total reserves.....	41,187.60	11,560.42	17,774.58	2,564,681.77	23,888.05
CAPITAL					
Debentures redeemed.....	8,500.00	11,932.84	8,808.12	302,022.91	8,341.45
Local sinking fund.....					
Residual surplus.....	34,829.96	5,846.22	37,121.98	2,267,094.07	34,715.87
Frequency standardization expense charged this year.....	2,931.03			7,318.51	
Total capital.....	40,398.93	17,779.06	45,930.10	2,561,798.47	43,057.32
Total.....	86,491.17	30,856.46	66,161.88	5,301,841.26	77,784.16
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	22,915.23	5,320.64	11,440.11	2,043,479.48	29,541.99
Street lighting.....	1,647.96	783.34	912.00	73,428.93	1,471.11
Other.....	331.91	45.40	321.69	1,339.80	7.44
Total revenue.....	24,895.10	6,149.38	12,673.80	2,118,248.21	31,020.54
EXPENSE					
Power—purchased.....	16,491.50	2,840.27	6,181.94	1,345,764.09	15,620.45
—generated.....					
Operation and maintenance (exclud- ing generation).....	2,796.46	657.45	538.77	159,153.99	1,771.66
Administration.....	2,115.66	590.36	1,176.26	119,714.60	2,371.18
Fixed charges—interest and principal					1,575.00
—depreciation.....	1,577.00	593.00	781.00	73,485.00	1,573.00
—other.....					
Total expense.....	22,980.62	4,681.08	8,677.97	1,698,117.68	22,911.29
Surplus or deficit.....	1,914.48	1,468.30	3,995.83	420,130.53	8,109.25
Number of customers.....	432	119	205	13,571	328

Statements for the Year Ended December 31, 1956

St. George	St. Jacobs	St. Mary's	St. Thomas	Sandwich East Twp.	Sandwich West Twp.	Sarnia
679	725	4,128	19,017	20,537	19,630	43,602
\$	\$	\$	\$	\$	\$	\$
34,988.58 4,918.39	42,724.18 6,926.86	371,490.07 98,900.80	1,223,057.06 365,687.76	981,101.91 159,522.00	1,248,890.87 179,693.40	3,045,661.48 623,176.76
30,070.19	35,797.32	272,589.27	857,369.30	821,579.91	1,069,197.47	2,422,484.72
6,919.12	4,468.52	16,203.15	300.00	79,003.36	14,587.34	600.00
12,000.00	2,000.00	42,500.00	45,000.00	120,000.00	88,000.00	.....
1,689.08	848.89	2,309.51	56,387.27	39,470.44	34,551.95	117,450.51
20,608.20	7,317.41	61,012.66	101,687.27	238,473.80	137,139.29	118,050.51
.....	.....	13,993.17	57,027.77	15,253.04	16,310.07	151,882.74
.....
156.68	10.00	426.52	54,380.01	1,323.87	13,445.27	6,507.75
156.68	10.00	14,419.69	111,407.78	16,576.91	29,755.34	158,390.49
39,786.42	51,607.94	362,148.41	1,405,601.66	.....	.....	2,091,630.76
90,621.49	94,732.67	710,170.03	2,476,066.01	1,076,630.62	1,236,092.10	4,790,556.48
.....	.....	58,593.44	.....	1,050,000.00	1,100,000.00	301,500.00
871.90	5,225.52	156.14	6,333.48	6,760.82	2,437.64	220,845.08
636.78	.....	2,714.00	37,115.57	8,265.00	7,709.42	45,553.78
1,508.68	5,225.52	61,463.58	43,449.05	1,065,025.82	1,110,147.06	567,898.86
39,786.42	51,607.94	362,148.41	1,405,601.66	.....	.....	2,091,630.76
.....	.....	242.25	272.39	21,281.25	81,015.55	17,910.43
39,786.42	51,607.94	362,390.66	1,405,874.05	21,281.25	81,015.55	2,109,541.19
6,000.00	6,000.00	135,666.94	138,944.07	.....	.....	486,500.00
.....
43,326.39	31,899.21	150,648.85	892,129.37	9,676.45	44,929.49	1,626,616.43
.....	.....	.....	4,330.53	.....	.....	.....
49,326.39	37,899.21	286,315.79	1,026,742.91	9,676.45	44,929.49	2,113,116.43
90,621.49	94,732.67	710,170.03	2,476,066.01	1,076,630.62	1,236,092.10	4,790,556.48
.....	.....	.....	.....	2 months' operation	9 months' operation	.....
17,903.04	22,010.57	157,797.24	695,434.60	86,453.51	414,889.59	1,980,895.77
1,140.00	506.00	8,062.16	24,401.08	2,856.80	.....	52,616.20
493.93	245.53	2,822.44	5,578.03	1,027.67	1,177.50	27,329.40
19,536.97	22,762.10	168,681.84	725,413.71	90,337.98	416,067.09	2,060,841.37
13,525.17	17,476.60	93,360.00	425,745.24	37,268.60	191,765.67	1,246,826.82
.....
421.53	945.84	16,249.38	99,068.23	12,347.81	35,602.61	207,386.83
1,602.66	1,421.13	19,040.35	54,854.05	23,311.77	44,405.51	146,460.38
.....	4.90	5,773.63	.....	21,281.25	76,296.81	46,767.40
882.00	1,066.00	10,115.00	36,545.00	5,805.00	23,106.00	77,666.00
.....	.....	.....	.....	.....	.....	1,103.74
16,431.36	20,914.47	144,538.36	616,212.52	100,014.43	371,176.60	1,726,211.17
3,105.61	1,847.63	24,143.48	109,201.19	9,676.45	44,890.49	334,630.20
262	226	1,537	6,670	5,439	5,775	13,550

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Scarborough Twp.	Seaforth	Shelburne	Simcoe	Smith's Falls
Population	131,709	2,089	1,239	8,005	8,609
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	11,673,339.10	181,910.40	94,211.85	547,951.77	591,617.28
Accumulated depreciation.....	744,929.44	14,905.72	25,902.45	137,722.92	149,812.77
Net fixed assets.....	10,928,409.66	167,004.68	68,309.40	410,228.85	441,804.51
CURRENT ASSETS					
Cash on hand and in bank.....	848,626.01	19,761.87	354.26	5,791.30	12,347.32
Investment in Government securities.....	127,500.00	9,000.00			17,000.00
Accounts receivable.....	262,281.23	1,594.87	1,344.63	2,892.10	2,252.59
Total current assets.....	1,238,407.24	30,356.74	1,698.89	8,683.40	31,599.91
OTHER ASSETS					
Inventory of stores.....	205,987.62	266.49		21,434.41	12,648.11
Sinking fund on local debentures.....					
Miscellaneous.....	9,862.21	253.70		8,154.21	
Total other assets.....	215,849.83	520.19		29,588.62	12,648.11
Equity in Ontario Hydro systems.....	1,398,072.13	175,764.81	62,514.04	379,294.22	375,610.48
Total.....	13,780,738.86	373,646.42	132,522.33	827,795.09	861,663.01
LIABILITIES					
Debentures outstanding.....	7,706,310.37	33,438.89			17,500.00
Accounts payable.....	618,539.55	3,041.77		440.92	
Other.....	541,593.55	2,467.22	116.00	7,996.96	336.38
Total liabilities.....	8,866,443.47	38,947.88	116.00	8,437.88	17,836.38
RESERVES					
Equity in Ontario Hydro systems.....	1,398,072.13	175,764.81	62,514.04	379,294.22	375,610.48
Other.....	144,852.41		48.52		1,009.57
Total reserves.....	1,542,924.54	175,764.81	62,562.56	379,294.22	376,620.05
CAPITAL					
Debentures redeemed.....	935,127.46	41,561.11	16,991.04	75,434.90	130,287.33
Local sinking fund.....					
Residual surplus.....	2,436,243.39	117,372.62	52,852.73	364,628.09	336,919.25
Frequency standardization expense charged this year.....					
Total capital.....	3,371,370.85	158,933.73	69,843.77	440,062.99	467,206.58
Total.....	13,780,738.86	373,646.42	132,522.33	827,795.09	861,663.01
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	4,755,351.57	91,262.57	40,872.14	266,462.42	263,421.48
Street lighting.....	149,431.60	4,271.00	2,160.00	20,563.57	11,173.77
Other.....	39,191.33	778.13	68.20	2,399.61	1,370.02
Total revenue.....	4,943,974.50	96,311.70	43,100.34	289,425.60	275,965.27
EXPENSE					
Power—purchased.....	3,020,168.65	54,247.54	33,840.05	184,631.16	173,967.97
—generated.....					
Operation and maintenance (exclud- ing generation).....	240,373.95	9,767.06	1,986.89	33,190.83	23,898.91
Administration.....	326,820.94	5,171.99	2,190.55	19,187.08	26,524.22
Fixed charges—interest and principal	543,347.98	3,836.25	6.83		3,363.03
—depreciation.....	228,916.00	3,876.00	2,782.00	14,727.00	16,457.00
—other.....	754.24				
Total expense.....	4,360,381.76	76,898.84	40,806.32	251,736.07	244,211.13
Surplus or deficit.....	583,592.74	19,412.86	2,294.02	37,689.53	31,754.14
Number of customers.....	44,049	797	534	3,015	3,156

Statements for the Year Ended December 31, 1956

Smithville	Southampton	Springfield	Stamford Twp.	Stayner	Stirling	Stoney Creek
796	1,746	510	25,891	1,400	1,277	4,847
\$ 42,183.42 9,812.12	\$ 141,581.19 13,968.29	\$ 33,256.32 9,062.53	\$ 1,728,863.32 202,564.13	\$ 85,606.76 15,308.01	\$ 98,708.58 29,445.25	\$ 271,468.57 22,182.33
32,371.30	127,612.90	24,193.79	1,526,299.19	70,298.75	69,263.33	249,286.24
7,044.75	8,949.94	4,693.30	124,780.31	.....	20,574.93	8,308.56
11,500.00	.....	500.00	8,000.00	1,000.00	.....	.....
189.41	631.75	128.36	13,855.14	678.37	2,111.78	4,040.84
18,734.16	9,581.69	5,321.66	146,635.45	1,678.37	22,686.71	12,349.40
278.50	1,099.06	.....	53,259.26	.....	2,151.25	.....
.....
.16	.....	.....	3,852.47	380.00	.....	18,032.14
278.66	1,099.06	.....	57,111.73	380.00	2,151.25	18,032.14
20,457.75	63,798.88	24,234.29	415,695.94	56,449.74	38,516.61	32,811.89
71,841.87	202,092.53	53,749.74	2,145,742.31	128,806.86	132,617.90	312,479.67
.....	11,023.46	.....	934,692.17	.....	11,700.00	62,596.90
266.78	595.89	.....	3,527.20	1,742.12	842.27	14,595.13
177.80	346.35	45.00	45,093.74	371.18	522.73	2,418.00
444.58	11,965.70	45.00	983,313.11	2,113.30	13,065.00	79,610.03
20,457.75	63,798.88	24,234.29	415,695.94	56,449.74	38,516.61	32,811.89
.....	.....	13.86	31,640.43	25.20	.....	1,519.44
20,457.75	63,798.88	24,248.15	447,336.37	56,474.94	38,516.61	34,331.33
15,000.00	31,499.47	9,500.00	380,586.00	9,557.26	11,300.00	17,403.10
.....
35,939.54	94,828.48	19,956.59	334,506.83	60,661.36	69,736.29	181,135.21
.....
50,939.54	126,327.95	29,456.59	715,092.83	70,218.62	81,036.29	198,538.31
71,841.87	202,092.53	53,749.74	2,145,742.31	128,806.86	132,617.90	312,479.67
30,843.50	60,707.09	9,935.15	738,369.19	40,861.27	39,926.34	162,871.94
2,052.00	4,462.65	880.50	30,220.38	1,959.96	3,210.00	4,347.78
437.42	180.00	61.80	1,663.83	33.65	1,280.31	503.01
33,332.92	65,349.74	10,877.45	770,253.40	42,854.88	44,416.65	167,722.73
20,489.81	39,706.93	7,512.69	452,856.84	32,868.35	23,356.58	91,621.55
.....
3,431.07	7,823.09	1,068.71	104,429.77	2,573.47	5,571.54	6,110.26
4,691.29	5,720.61	954.45	43,298.90	3,217.51	4,853.75	7,277.57
.....	1,522.30	.....	79,850.77	200.00	999.44	6,419.51
1,189.00	3,102.00	1,000.00	39,496.00	2,216.00	1,748.00	5,679.00
.....
29,801.17	57,874.93	10,535.85	719,932.28	41,075.33	36,529.31	117,107.89
3,531.75	7,474.81	341.60	50,321.12	1,779.55	7,887.34	50,614.84
371	1,024	180	7,447	571	497	1,578

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Stouffville	Stratford	Strathroy	Streetsville	Sunderland
Population.....	2,373	19,991	4,359	2,781	559
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	112,017.17	1,452,153.49	318,901.97	237,545.43	34,032.43
Accumulated depreciation.....	15,579.10	491,822.12	88,998.48	21,069.64	6,559.05
Net fixed assets.....	96,438.07	960,331.37	229,903.49	216,475.79	27,473.38
CURRENT ASSETS					
Cash on hand and in bank.....	5,674.93	2,000.00	6,717.10	20,908.60	4,458.66
Investment in Government securities.....		180,000.00			2,000.00
Accounts receivable.....	1,297.90	33,413.57	3,443.52	5,306.36	265.60
Total current assets.....	6,972.83	215,413.57	10,160.62	26,214.96	6,724.26
OTHER ASSETS					
Inventory of stores.....	663.00	46,303.18	510.27	685.90	
Sinking fund on local debentures.....					
Miscellaneous.....	295.72	3,446.46	341.38	76.54	
Total other assets.....	958.72	49,749.64	851.65	762.44	
Equity in Ontario Hydro systems.....	69,349.59	1,602,246.65	268,018.14	41,091.32	30,144.59
Total.....	173,719.21	2,827,741.23	508,933.90	284,544.51	64,342.23
LIABILITIES					
Debentures outstanding.....	19,328.37		10,000.00	130,582.83	
Accounts payable.....	171.69	42,313.85	695.53	716.32	33.05
Other.....	2,799.48	13,135.16	2,851.42	1,897.69	120.00
Total liabilities.....	22,299.54	55,449.01	13,546.95	133,196.84	153.05
RESERVES					
Equity in Ontario Hydro systems.....	69,349.59	1,602,246.65	268,018.14	41,091.32	30,144.59
Other.....	970.73	2,162.77	942.26	4,571.57	25.00
Total reserves.....	70,320.32	1,604,409.42	268,960.40	45,662.89	30,169.59
CAPITAL					
Debentures redeemed.....	15,345.53	455,800.00	53,888.85	21,962.25	4,627.78
Local sinking fund.....					
Residual surplus.....	65,753.82	712,082.80	172,537.70	83,722.53	29,391.81
Frequency standardization expense charged this year.....					
Total capital.....	81,099.35	1,167,882.80	226,426.55	105,684.78	34,019.59
Total.....	173,719.21	2,827,741.23	508,933.90	284,544.51	64,342.23
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	76,149.70	717,220.49	145,245.68	104,415.09	17,374.79
Street lighting.....	1,711.50	29,675.11	7,450.32	3,839.83	1,324.92
Other.....	374.89	11,141.84	281.29	1,065.26	54.00
Total revenue.....	78,236.09	758,037.44	152,977.29	109,320.18	18,753.71
EXPENSE					
Power—purchased.....	57,180.05	463,865.12	98,689.16	66,653.44	12,181.64
—generated.....				4,881.10	
Operation and maintenance (excluding generation).....	2,552.57	101,371.08	15,947.68	2,349.43	1,678.31
Administration.....	4,309.38	60,281.13	14,928.35	7,307.28	1,276.54
Fixed charges—interest and principal.....	1,471.63	22.50	811.36	10,154.67	3.14
—depreciation.....	2,652.00	27,492.00	9,161.00	4,863.00	884.00
—other.....			103.50	140.00	
Total expense.....	68,165.63	653,031.83	139,641.05	96,348.92	16,023.63
Surplus or deficit.....	10,070.46	105,005.61	13,336.24	12,971.26	2,730.08
Number of customers.....	854	6,709	1,593	1,070	247

Statements for the Year Ended December 31, 1956

Sundridge	Sutton	Swansea	Tara	Tavistock	Tecumseh	Teeswater
701	1,300	8,450	478	1,121	4,061	883
\$ 54,788.06 <i>4,864.18</i>	\$ 110,312.01 <i>25,369.86</i>	\$ 501,809.82 <i>83,795.43</i>	\$ 32,755.60 <i>7,882.31</i>	\$ 93,088.31 <i>23,862.69</i>	\$ 175,419.12 <i>50,407.14</i>	\$ 65,004.89 <i>10,248.04</i>
49,923.88	84,942.15	418,014.39	24,873.29	69,225.62	125,011.98	54,756.85
8,514.92	2,643.61	188,043.38	6,041.01	7,919.57	20,973.84	2,763.31
.....	7,000.00	.....	8,000.00	.....	.....	15,000.00
1,348.36	3,416.12	6,040.61	163.67	665.78	7,725.12	56.14
9,863.28	13,059.73	194,083.99	14,204.68	8,585.35	28,698.96	17,819.45
13.20	.....	545.31	.....	272.10	11,680.10	.....
.....	.....	256.30	70.65	76.18	.....	.....
13.20	.....	801.61	70.65	348.28	11,680.10	.....
2,818.84	63,198.47	333,256.89	26,981.99	128,973.84	91,307.37	39,867.67
62,619.20	161,200.35	946,156.88	66,130.61	207,133.09	256,698.41	112,443.97
30,437.77	.....	114,755.74	.....	28,744.90	.....	.....
742.80	814.77	1,903.04	289.90	714.99	6,439.59	201.50
20.00	65.00	8,562.25	.....	.....	1,485.00	59.00
31,200.57	879.77	125,221.03	289.90	29,459.89	7,924.59	260.50
2,818.84	63,198.47	333,256.89	26,981.99	128,973.84	91,307.37	39,867.67
.....	148.87	4,454.65	.....	1,226.37	320.55	.....
2,818.84	63,347.34	337,711.54	26,981.99	130,200.21	91,627.92	39,867.67
4,562.23	26,000.00	137,911.22	14,263.64	9,255.10	26,000.00	21,296.14
.....	.....	.....	.....	.....	131,342.50	51,019.66
24,037.56	70,973.24	345,313.09	24,595.08	38,217.89	.....	.....
.....	.....	.....	.....	.....	196.60	.....
28,599.79	96,973.24	483,224.31	38,858.72	47,472.99	157,145.90	72,315.80
62,619.20	161,200.35	946,156.88	66,130.61	207,133.09	256,698.41	112,443.97
19,737.62	49,970.36	281,262.35	13,627.90	49,271.26	87,926.59	26,940.96
972.00	2,554.50	10,193.08	1,232.00	2,087.32	3,393.09	1,324.00
8.71	211.46	4,921.59	215.75	322.57	1,685.47	455.45
20,718.33	52,736.32	296,377.02	15,075.65	51,681.15	93,005.15	28,720.41
9,264.59	36,982.64	167,634.92	10,010.87	34,619.51	45,970.92	16,494.61
.....
1,394.19	1,767.61	20,842.71	1,287.35	4,581.58	10,292.92	1,926.94
1,295.42	5,090.10	23,544.62	808.23	2,641.69	10,073.55	1,725.37
2,808.49	.....	18,619.36	4.16	2,354.63	320.00	4.53
1,021.00	3,070.00	12,363.00	935.00	2,605.00	5,094.00	1,689.00
.....	.....	200.00	.....	.....	.....	.....
15,783.69	46,910.35	243,204.61	13,045.61	46,802.41	71,751.39	21,840.45
4,934.64	5,825.97	53,172.41	2,030.04	4,878.74	21,253.76	6,879.96
273	837	2,846	240	484	1,267	353

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Thamesford	Thamesville	Thedford	Thornbury	Thorndale
Population.....	678	1,017	678	1,064	346
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	47,599.27	84,468.66	43,867.64	120,666.92	24,670.44
Accumulated depreciation.....	8,273.46	16,356.10	5,505.58	10,907.51	7,296.61
Net fixed assets.....	39,325.81	68,112.56	38,362.06	109,759.41	17,373.83
CURRENT ASSETS					
Cash on hand and in bank.....		4,641.93	4,734.01	12,416.72	6,275.31
Investment in Government securities.....		3,000.00	8,000.00		1,000.00
Accounts receivable.....	197.84	1,853.42	1,788.33	2,845.95	320.95
Total current assets.....	197.84	9,495.35	14,522.34	15,262.67	7,596.26
OTHER ASSETS					
Inventory of stores.....				54.00	
Sinking fund on local debentures.....					
Miscellaneous.....		5,931.59	790.02		
Total other assets.....		5,931.59	790.02	54.00	
Equity in Ontario Hydro systems.....	51,100.11	54,597.36	31,617.71	11,069.83	24,723.85
Total.....	90,623.76	138,136.86	85,292.13	136,145.91	49,693.94
LIABILITIES					
Debentures outstanding.....	2,500.00			29,170.15	
Accounts payable.....	2,018.16	9,505.72	456.26	1,859.46	156.04
Other.....	313.12	913.70	251.33	320.00	6.00
Total liabilities.....	4,831.28	10,419.42	707.59	31,349.61	162.04
RESERVES					
Equity in Ontario Hydro systems.....	51,100.11	54,597.36	31,617.71	11,069.83	24,723.85
Other.....	7.61	137.92	50.00		27.73
Total reserves.....	51,107.72	54,735.28	31,667.71	11,069.83	24,751.58
CAPITAL					
Debentures redeemed.....	5,858.03	11,187.80	16,500.00	56,829.85	3,086.48
Local sinking fund.....					
Residual surplus.....	28,826.73	61,794.36	36,416.83	36,896.62	21,693.84
Frequency standardization expense charged this year.....					
Total capital.....	34,684.76	72,982.16	52,916.83	93,726.47	24,780.32
Total.....	90,623.76	138,136.86	85,292.13	136,145.91	49,693.94
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	27,737.85	41,466.74	19,198.54	35,636.45	12,154.38
Street lighting.....	857.00	2,114.47	1,455.00	2,604.00	997.83
Other.....	2.28	216.52	302.67	67.69	31.06
Total revenue.....	28,597.13	43,797.73	20,956.21	38,308.14	13,183.27
EXPENSE					
Power—purchased.....	18,595.28	26,246.62	13,272.84	16,515.45	8,001.17
—generated.....				5,408.49	
Operation and maintenance (excluding generation).....	2,294.00	2,920.74	1,959.42	2,920.17	780.55
Administration.....	1,472.50	2,340.10	1,759.88	2,731.74	1,198.44
Fixed charges—interest and principal.....	193.00	2.45		2,813.69	
—depreciation.....	1,162.00	2,181.00	1,023.00	1,780.00	747.00
—other.....			50.00		
Total expense.....	23,716.78	33,690.91	18,065.14	32,169.54	10,727.16
Surplus or deficit.....	4,880.35	10,106.82	2,891.07	6,138.60	2,456.11
Number of customers.....	284	442	288	496	135

Statements for the Year Ended December 31, 1956

Thornton	Thorold	Tilbury	Tillsonburg	Toronto	Toronto Twp.
279	7,904	3,095	6,061	660,381	46,063
\$ 15,474.21 8,748.34	\$ 457,350.56 61,885.79	\$ 183,002.26 45,969.27	\$ 527,016.52 39,287.79	\$ 78,882,369.75 25,277,734.59	\$ 3,610,233.69 354,493.46
6,725.87	395,464.77	137,032.99	487,728.73	53,604,635.16	3,255,740.23
3,180.18	36,071.54	1,947.73	68,096.08	103,453.13	326,699.67
.....	.....	10,000.00	.....	5,332,700.00	8,000.00
250.73	9,701.83	529.13	720.03	4,689,278.80	260,233.71
3,430.91	45,773.37	12,476.86	68,816.11	10,125,431.93	594,933.38
.....	23,983.97	4.04	6,551.09	3,205,976.39	127,586.55
.....	.....	.....	.....	103,311.10	3,831.64
.....	24,392.71	11,489.67	6,648.31	3,309,287.49	131,418.19
9,817.02	397,125.83	167,589.79	281,968.79	59,495,986.75	690,492.96
19,973.80	862,756.68	328,589.31	845,161.94	126,535,341.33	4,672,584.76
.....	112,464.71	50,000.00	136,570.87	7,551,000.00	1,311,437.20
325.53	2,454.32	211.50	.....	3,270,968.68	272,599.38
67.50	5,325.50	564.43	13,031.18	315,957.80	43,534.21
393.03	120,244.53	50,775.93	149,602.05	11,137,926.48	1,627,570.79
9,817.02	397,125.83	167,589.79	281,968.79	59,495,986.75	690,492.96
.....	.....	3,683.97	3,135.90	3,553,651.41	91,656.85
9,817.02	397,125.83	171,273.76	285,104.69	63,049,638.16	782,149.81
7,199.65	17,535.29	14,000.00	79,429.13	29,889,934.57	317,562.86
.....	.....	.....	.....	22,457,842.12	1,945,301.30
2,564.10	336,962.14	94,695.24	331,026.07	.....	.....
.....	9,111.11	2,155.62	.....	.....	.....
9,763.75	345,386.32	106,539.62	410,455.20	52,347,776.69	2,262,864.16
19,973.80	862,756.68	328,589.31	845,161.94	126,535,341.33	4,672,584.76
4,706.30	466,820.62	90,533.15	231,578.68	31,581,149.59	1,970,234.70
390.00	11,241.35	6,326.46	15,042.00	869,345.43	57,481.82
.42	.....	1,294.24	2,399.83	539,911.91	4,809.70
5,096.72	478,061.97	98,153.85	249,020.51	32,990,406.93	2,032,526.22
3,319.73	357,297.21	65,042.41	127,525.53	18,703,706.61	1,092,389.42
.....
427.98	39,223.93	8,485.64	33,663.36	4,045,364.82	105,096.70
233.78	22,781.89	9,393.21	22,417.83	3,412,462.54	113,844.73
.....	9,318.48	3,845.48	15,209.32	635,672.27	116,681.02
407.00	10,816.00	4,848.00	11,256.00	2,645,204.94	74,728.00
.....	.....	.....	.....	4,925.00	.....
4,388.49	439,437.51	91,614.74	210,072.04	29,442,411.18	1,507,664.87
708.23	38,624.46	6,539.11	38,948.47	3,547,995.75	524,861.35
105	2,371	1,093	2,284	198,797	12,020

Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Tottenham	Trafalgar Twp.	Trenton	Tweed	Uxbridge
Population.....	714	14,759	11,380	1,655	2,083
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	33,759.76	875,892.12	723,588.90	125,475.54	105,234.49
Accumulated depreciation.....	5,948.90	20,117.07	182,630.09	10,525.82	18,579.58
Net fixed assets.....	27,810.86	855,775.05	540,958.81	114,949.72	86,654.91
CURRENT ASSETS					
Cash on hand and in bank.....	1,097.32	7,838.87	46,665.84	3,906.11	12,658.32
Investment in Government securities.....	5,500.00	.....	65,000.00	24,500.00	12,500.00
Accounts receivable.....	1,144.08	14,562.36	10,485.42	221.48	1,757.65
Total current assets.....	7,741.40	22,401.23	122,151.26	28,627.59	26,915.97
OTHER ASSETS					
Inventory of stores.....	.....	66,385.03	35,149.46	615.97	3,976.14
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	239.40	870.48	100.00	55.70	11,236.21
Total other assets.....	239.40	67,255.51	35,249.46	671.67	15,212.35
Equity in Ontario Hydro systems.....	32,194.25	93,542.30	440,699.41	47,889.47	71,616.42
Total.....	67,985.91	1,038,974.09	1,139,058.94	192,138.45	200,399.65
LIABILITIES					
Debentures outstanding.....	5,218.89	610,398.22	.....	.....	.....
Accounts payable.....	158.21	15,528.50	8,414.29	90.30	767.93
Other.....	603.25	10,705.44	13,530.21	498.00	1,531.58
Total liabilities.....	5,980.35	636,632.16	21,944.50	588.30	2,299.51
RESERVES					
Equity in Ontario Hydro systems.....	32,194.25	93,542.30	440,699.41	47,889.47	71,616.42
Other.....	.....	16,295.41	.....	352.30	210.78
Total reserves.....	32,194.25	109,837.71	440,699.41	48,241.77	71,827.20
CAPITAL					
Debentures redeemed.....	16,216.08	75,889.34	164,586.70	19,000.00	15,364.09
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	13,595.23	216,614.88	511,828.33	124,308.38	110,908.85
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	29,811.31	292,504.22	676,415.03	143,308.38	126,272.94
Total.....	67,985.91	1,038,974.09	1,139,058.94	192,138.45	200,399.65
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	17,802.35	382,174.34	422,761.95	43,097.61	64,283.29
Street lighting.....	1,611.00	1,379.00	12,780.32	2,637.88	2,451.99
Other.....	.....	3,005.79	4,358.63	806.15	484.57
Total revenue.....	19,413.35	386,559.13	439,900.90	46,541.64	67,219.85
EXPENSE					
Power—purchased.....	12,114.64	199,617.51	311,207.48	27,434.73	41,522.08
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (exclud- ing generation).....	1,914.11	50,160.38	19,878.47	3,174.32	5,937.81
Administration.....	1,094.71	31,552.43	24,285.59	5,284.21	5,164.94
Fixed charges—interest and principal	845.37	42,012.94	.....	.....	.....
—depreciation.....	856.00	14,277.00	11,312.00	2,829.00	2,663.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	16,824.83	337,620.26	366,683.54	38,722.26	55,287.83
Surplus or deficit.....	2,588.52	48,938.87	73,217.36	7,819.38	11,932.02
Number of customers.....	271	3,651	3,631	600	823

Statements for the Year Ended December 31, 1956

Vankleek Hill 1,644	Victoria Harbour 953	Walkerton 3,588	Wallaceburg 7,877	Wardsville 289	Warkworth 505
\$ 90,741.72 17,075.35	\$ 47,609.18 7,912.35	\$ 192,457.85 19,502.23	\$ 777,009.14 168,499.27	\$ 19,784.43 5,409.43	\$ 33,241.93 7,208.64
73,666.37	39,696.83	172,955.62	608,509.87	14,375.00	26,033.29
5,977.37	.....	32,704.15	20,451.59	1,261.37	788.75
.....	.....	34,500.00	42,000.00	1,500.00	3,000.00
474.91	1,090.62	2,624.97	4,679.39	131.66	91.70
6,452.28	1,090.62	69,829.12	67,130.98	2,893.03	3,880.45
.....	2,132.54	11,655.55	57,572.75	.....	.....
1,000.00	.....	294.00	2,507.92	1,505.26	.....
1,000.00	2,132.54	11,949.55	60,080.67	1,505.26	.....
3,084.17	20,444.89	108,763.92	695,148.98	12,630.19	14,723.47
84,202.82	63,364.88	363,498.21	1,430,870.50	31,403.48	44,637.21
41,400.00	12,374.52	.....	.....	.....	.....
1,460.92	388.83	.....	24.50	1,208.17	28.30
.....	.....	2,256.00	5,964.51	65.00	123.68
42,860.92	12,763.35	2,256.00	5,989.01	1,273.17	151.98
3,084.17	20,444.89	108,763.92	695,148.98	12,630.19	14,723.47
2,025.00	100.00	526.85	100.00	25.22	.....
5,109.17	20,544.89	109,290.77	695,248.98	12,655.41	14,723.47
4,600.00	6,504.18	56,748.57	71,536.58	7,562.40	11,000.00
31,632.73	23,552.46	195,202.87	658,095.93	9,912.50	18,761.76
.....
36,232.73	30,056.64	251,951.44	729,632.51	17,474.90	29,761.76
84,202.82	63,364.88	363,498.21	1,430,870.50	31,403.48	44,637.21
31,428.62	16,589.55	111,123.48	427,930.81	7,377.56	12,234.28
3,489.00	1,105.00	5,305.94	10,242.14	720.00	888.60
544.36	13.08	2,440.27	4,054.67	79.70	110.54
35,461.98	17,707.63	118,869.69	442,227.62	8,177.26	13,233.42
12,811.48	9,201.73	77,397.26	285,411.09	5,997.40	7,659.84
.....
2,434.02	2,300.33	8,998.03	22,800.18	616.23	679.25
2,620.42	1,385.56	11,321.46	30,838.76	523.01	764.04
3,537.35	1,216.17	.....	13.99	.....	.....
2,310.00	1,224.00	4,342.00	20,969.00	579.00	800.00
.....	.....	500.00	.....	.....	.....
23,713.27	15,327.79	102,558.75	360,033.02	7,715.64	9,903.13
11,748.71	2,379.84	16,310.94	82,194.60	461.62	3,330.29
510	445	1,220	2,821	128	241

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Wasaga Beach	Waterdown	Waterford	Waterloo	Watford
Population.....	542	1,771	1,863	16,299	1,173
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	137,278.76	93,044.64	87,506.23	1,305,504.64	72,603.42
Accumulated depreciation.....	31,287.22	22,347.67	23,057.57	264,148.91	22,137.85
Net fixed assets.....	105,991.54	70,696.97	64,448.66	1,041,355.73	50,465.57
CURRENT ASSETS					
Cash on hand and in bank.....	11,408.85	6,116.14	3,142.74	4,947.41	9,802.60
Investment in Government securities.....	15,000.00			49,582.00	8,000.00
Accounts receivable.....	3,517.80	975.06	120.23	10,523.74	1,699.46
Total current assets.....	29,926.65	7,091.20	3,262.97	65,053.15	19,502.06
OTHER ASSETS					
Inventory of stores.....				45,595.71	4,458.93
Sinking fund on local debentures.....					
Miscellaneous.....		108.23	340.00	74,790.43	87.29
Total other assets.....		108.23	340.00	120,386.14	4,546.22
Equity in Ontario Hydro systems.....	4,698.41	65,053.36	92,445.24	879,198.59	79,644.01
Total.....	140,616.60	142,949.76	160,496.87	2,105,993.61	154,157.86
LIABILITIES					
Debentures outstanding.....	83,000.00	13,000.00		558,500.00	
Accounts payable.....	626.30	39.90	757.71	18,300.00	610.87
Other.....	380.00	183.88	486.62	12,755.00	617.85
Total liabilities.....	84,006.30	13,223.78	1,244.33	589,555.00	1,228.72
RESERVES					
Equity in Ontario Hydro systems.....	4,698.41	65,053.36	92,445.24	879,198.59	79,644.01
Other.....	200.00	275.00		9,366.05	
Total reserves.....	4,898.41	65,328.36	92,445.24	888,564.64	79,644.01
CAPITAL					
Debentures redeemed.....	27,000.0	10,000.00	7,745.53	197,500.00	9,055.77
Local sinking fund.....					
Residual surplus.....	24,711.89	54,397.62	59,061.77	430,373.97	64,229.36
Frequency standardization expense charged this year.....					
Total capital.....	51,711.89	64,397.62	66,807.30	627,873.97	73,285.13
Total.....	140,616.60	142,949.76	160,496.87	2,105,993.61	154,157.86
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	49,521.07	46,605.91	41,629.03	640,746.77	49,254.35
Street lighting.....	2,023.08	2,196.00	2,851.23	28,575.56	1,940.21
Other.....	547.08	286.06	216.92	1,255.20	329.00
Total revenue.....	52,091.23	49,087.97	44,697.18	670,577.53	51,523.56
EXPENSE					
Power—purchased.....	26,625.67	30,500.69	30,263.30	425,650.06	36,075.50
—generated.....					
Operation and maintenance (excluding generation).....	5,471.91	3,031.03	4,521.78	41,891.93	4,213.52
Administration.....	6,218.30	3,296.51	2,452.72	31,188.63	5,111.13
Fixed charges—interest and principal	8,821.60	1,691.67		53,025.90	15.35
—depreciation.....	3,508.00	2,598.00	2,482.00	33,530.00	1,319.00
—other.....					
Total expense.....	50,645.48	41,117.90	39,719.80	585,286.52	46,734.50
Surplus or deficit.....	1,445.75	7,970.07	4,977.38	85,291.01	4,789.06
Number of customers.....	957	562	704	5,357	510

Statements for the Year Ended December 31, 1956

Waubashene (V.A.)	Welland 16,661	Wellesley 666	Wellington 1,014	West Lorne 1,078	Weston 9,330
\$ 32,529.67 6,530.38	\$ 1,419,536.92 269,639.15	\$ 35,724.53 7,361.33	\$ 58,031.55 22,228.34	\$ 92,539.37 25,244.69	\$ 751,748.99 142,089.57
25,999.29	1,149,897.77	28,363.20	35,803.21	67,294.68	609,659.42
725.93	150.00	3,465.77	4,586.68	9,792.88	138,068.28
.....	22,000.00	1,000.00	20,000.00	.....	.....
1,337.49	12,732.25	100.75	371.68	1,534.68	15,803.90
2,063.42	34,882.25	4,566.52	24,958.36	11,327.56	153,872.18
265.50	50,562.70	.....	3,063.44	2,029.91	26,550.73
.....	.....	.....	.....	.....	4,850.43
62.77	850.61	509.20	.....	1,409.12	1,447.39
328.27	51,413.31	509.20	3,063.44	3,439.03	32,848.55
17,280.68	1,089,329.36	42,581.89	38,732.31	81,985.35	736,443.44
45,671.66	2,325,522.69	76,020.81	102,557.32	164,046.62	1,532,823.59
.....	360,000.00	4,800.00	.....	.....	207,412.80
.....	3,690.41	308.54	921.27	3,781.19	2,972.50
95.00	22,467.27	20.00	449.53	205.00	9,507.87
95.00	386,157.68	5,128.54	1,370.80	3,986.19	219,893.17
17,280.68	1,089,329.36	42,581.89	38,732.31	81,985.35	736,443.44
100.00	18,086.51	173.38	.....	.....	12,939.99
17,380.68	1,107,415.87	42,755.27	38,732.31	81,985.35	749,383.43
3,242.34	275,000.00	7,700.00	13,816.12	8,000.00	99,332.44
.....	.....	.....	.....	.....	4,850.43
24,953.64	615,034.82	20,437.00	48,638.09	72,643.08	459,364.12
.....	58,085.68	.....	.....	2,568.00	.....
28,195.98	831,949.14	28,137.00	62,454.21	78,075.08	563,546.99
45,671.66	2,325,522.69	76,020.81	102,557.32	164,046.62	1,532,823.59
16,327.19	666,771.13	18,797.31	27,761.67	51,941.36	425,311.35
916.00	25,656.51	1,082.50	1,872.48	2,190.06	17,390.98
172.25	7,878.87	32.19	786.00	3,003.64	4,137.66
17,415.44	700,306.51	19,912.00	30,420.15	57,135.06	446,839.99
8,969.34	456,680.22	13,184.01	19,850.43	38,491.95	283,672.57
.....
2,262.16	76,236.97	2,418.97	2,902.56	3,052.61	27,475.62
1,420.99	51,871.55	1,350.05	3,302.22	5,593.27	33,044.01
2.01	17,338.00	421.30	1.10	.....	19,770.55
843.00	37,284.00	958.00	1,201.00	2,579.00	18,741.00
179.94	.....	.....	.....	2.76	383.13
13,677.44	639,410.74	18,332.33	27,257.31	49,719.59	383,086.88
3,738.00	60,895.77	1,579.67	3,162.84	7,415.47	63,753.11
410	5,017	265	555	418	3,091

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Westport	Wheatley	Whitby	Warton	Williamsburg
Population.....	692	1,166	8,289	2,016	310
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	32,092.58	114,167.42	609,788.48	103,302.65	19,872.42
Accumulated depreciation.....	4,762.12	15,789.85	116,735.61	10,269.68	4,480.57
Net fixed assets.....	27,330.46	98,377.57	493,052.87	93,032.97	15,391.85
CURRENT ASSETS					
Cash on hand and in bank.....	3,749.62	7,728.09	150.00	7,427.42	2,475.39
Investment in Government securities.....	5,000.00	.....	10,000.00	24,000.00	15,000.00
Accounts receivable.....	21.94	129.77	10,419.69	448.47	842.55
Total current assets.....	8,771.56	7,857.86	20,569.69	31,875.89	18,317.94
OTHER ASSETS					
Inventory of stores.....	.....	.....	31,545.52	630.50	43.40
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	195.50	1.20	.....	.....
Total other assets.....	.....	195.50	31,546.72	630.50	43.40
Equity in Ontario Hydro systems.....	20,673.58	51,521.74	214,691.63	63,560.67	18,702.05
Total.....	56,775.60	157,952.67	759,860.91	189,100.03	52,455.24
LIABILITIES					
Debentures outstanding.....	.....	31,418.67	92,000.00	.....	.....
Accounts payable.....	.....	341.73	2,907.16	.....	.....
Other.....	284.38	245.00	6,362.64	167.21	373.43
Total liabilities.....	284.38	32,005.40	101,269.80	167.21	373.43
RESERVES					
Equity in Ontario Hydro systems.....	20,673.58	51,521.74	214,691.63	63,560.67	18,702.05
Other.....	.....	44.30	6,500.00	22.81	310.82
Total reserves.....	20,673.58	51,566.04	221,191.63	63,583.48	19,012.87
CAPITAL					
Debentures redeemed.....	15,000.00	20,581.33	84,612.50	37,400.00	2,750.00
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	20,817.64	59,019.74	352,786.98	87,949.34	30,318.94
Frequency standardization expense charged this year.....	.....	5,219.84	.....	.....	.....
Total capital.....	35,817.64	74,381.23	437,399.48	125,349.34	33,068.94
Total.....	56,775.60	157,952.67	759,860.91	189,100.03	52,455.24
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	16,026.17	43,613.42	364,195.44	55,343.41	7,798.48
Street lighting.....	1,241.51	2,512.50	10,795.16	3,879.00	665.00
Other.....	296.46	1.13	2,010.59	512.27	542.07
Total revenue.....	17,564.14	46,127.05	377,001.19	59,734.68	9,005.55
EXPENSE					
Power—purchased.....	10,121.38	26,815.25	239,104.06	38,869.52	7,553.27
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	1,337.69	3,053.74	26,491.54	8,292.13	734.48
Administration.....	2,304.48	3,802.97	31,074.75	4,640.62	747.85
Fixed charges—interest and principal.....	.....	3,613.54	11,752.70	.....	.....
—depreciation.....	811.00	2,799.00	15,391.00	2,375.00	548.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	14,574.55	40,084.50	323,814.05	54,177.27	9,583.60
Surplus or deficit.....	2,989.59	6,042.55	53,187.14	5,557.41	578.05
Number of customers.....	278	475	2,504	745	143

Statements for the Year Ended December 31, 1956

Winchester	Windermere	Windsor	Wingham	Woodbridge	Woodstock
1,324	133	119,330	2,745	2,028	17,808
\$ 81,811.35 14,549.92	\$ 25,527.46 7,678.42	\$ 9,384,371.33 3,017,968.28	\$ 243,214.01 69,230.88	\$ 123,435.03 25,431.00	\$ 1,465,608.74 384,040.26
67,261.43	17,849.04	6,366,403.05	173,983.13	98,004.03	1,081,568.48
18,699.82	8,652.50	1,500.00	16,311.50	26,560.82	34,167.00
.....	400.00	2,870,400.86	35,000.00	.....	133,000.00
425.91	52.28	530,835.67	149.30	76.69	8,196.15
19,125.73	9,104.78	3,402,736.53	51,460.80	26,637.51	175,363.15
.....	.....	480,618.68	10,050.78	.....	938.14
.....	.....	154,193.69	.....	.....	.....
.....	1,114.10	2,316.72	46.06	.....	1,646.12
.....	1,114.10	637,129.09	10,096.84	.....	2,584.26
67,285.36	9,630.37	9,645,695.12	135,792.20	123,931.12	1,267,263.88
153,672.52	37,698.29	20,051,963.79	371,332.97	248,572.66	2,526,779.77
18,696.27	.....	190,000.00	.....	14,500.00	173,980.93
25.50	100.38	484,801.08	125.20	2,909.03	6,128.35
10.00	.....	159,415.13	2,792.15	1,924.78	15,403.53
18,731.77	100.38	834,216.21	2,917.35	19,333.81	195,512.81
67,285.36	9,630.37	9,645,695.12	135,792.20	123,931.12	1,267,263.88
.....	.....	262,185.07	118.17	838.65	9,394.77
67,285.36	9,630.37	9,907,880.19	135,910.37	124,769.77	1,276,658.65
10,509.79	11,237.65	2,393,832.05	81,155.39	8,999.97	253,404.70
.....	.....	154,193.69	.....	.....	.....
57,145.60	16,729.89	6,761,841.65	151,349.86	95,469.11	801,203.61
.....
67,655.39	27,967.54	9,309,867.39	232,505.25	104,469.08	1,054,608.31
153,672.52	37,698.29	20,051,963.79	371,332.97	248,572.66	2,526,779.77
46,572.23	8,094.21	4,406,293.95	98,924.34	108,249.72	835,495.64
1,845.00	340.00	209,717.31	4,359.84	2,450.73	22,017.98
58.70	89.26	139,642.31	3,548.82	42.83	4,334.46
48,475.93	8,523.47	4,755,653.57	106,833.00	110,743.28	861,848.08
36,682.94	4,195.77	2,685,752.44	65,124.43	74,510.51	542,686.11
.....	.....	.....	2,112.52	.....	.....
1,092.33	740.28	653,920.32	8,447.53	4,270.51	75,162.13
2,427.20	742.52	426,329.68	10,644.91	5,723.82	47,248.47
1,540.49	.....	9,882.00	12.34	1,160.93	36,758.58
2,096.00	812.00	279,881.00	7,114.00	3,340.00	40,954.00
.....
43,838.96	6,490.57	4,055,765.44	93,455.73	89,005.77	742,809.29
4,636.97	2,032.90	699,888.13	13,377.27	21,737.51	119,038.79
524	119	36,951	1,014	696	6,210

Municipal Electrical Utilities Financial

Southern Ontario System—Concluded

Municipality.....	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
Population.....	409	769	113,368	632	
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	21,674.50	48,485.76	5,377,256.19	34,568.05	285,213,897.48
Accumulated depreciation.....	3,450.68	11,765.76	1,473,140.42	4,996.87	63,436,683.93
Net fixed assets.....	18,223.82	36,720.00	3,904,115.77	29,571.18	221,777,213.55
CURRENT ASSETS					
Cash on hand and in bank.....	512.65	3,694.48	408,282.63		8,818,167.19
Investment in Government securities.....		1,400.00	554,000.00	2,500.00	14,541,223.76
Accounts receivable.....	611.54	898.65	217,587.32	146.91	12,261,509.47
Total current assets.....	1,124.19	5,993.13	1,179,869.95	2,646.91	35,620,900.42
OTHER ASSETS					
Inventory of stores.....			92,535.10		9,266,093.29
Sinking fund on local debentures.....					290,682.53
Miscellaneous.....	200.00	1,040.64	1,190.60		2,362,840.97
Total other assets.....	200.00	1,040.64	93,725.70		11,919,616.79
Equity in Ontario Hydro systems.....	26,105.85	26,763.41	2,789,513.44	38,559.21	172,989,774.72
Total.....	45,653.86	70,517.18	7,967,224.86	70,777.30	442,307,505.48
LIABILITIES					
Debentures outstanding.....					56,055,704.43
Accounts payable.....	2,737.59	3,184.91	195,151.03	723.59	11,207,120.57
Other.....	10.00	103.89	352,128.14		3,602,805.10
Total liabilities.....	2,747.59	3,288.80	547,279.17	723.59	70,865,630.10
RESERVES					
Equity in Ontario Hydro systems.....	26,105.85	26,763.41	2,789,513.44	38,559.21	172,989,774.72
Other.....	481.67	64.35	51,273.85		6,445,576.49
Total reserves.....	26,587.52	26,827.76	2,840,787.29	38,559.21	179,435,351.21
CAPITAL					
Debentures redeemed.....	5,248.09	9,700.00	489,374.65	5,591.61	67,016,209.98
Local sinking fund.....					290,682.53
Residual surplus.....	11,070.66	30,700.62	4,089,783.75	25,902.89	125,520,254.05
Frequency standardization expense charged this year.....					820,622.39
Total capital.....	16,318.75	40,400.62	4,579,158.40	31,494.50	192,006,524.17
Total.....	45,653.86	70,517.18	7,967,224.86	70,777.30	442,307,505.48
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	10,973.86	21,600.78	3,001,679.21	18,477.54	131,322,242.98
Street lighting.....	960.00	1,172.50	87,259.77	1,428.00	4,351,423.67
Other.....	102.40	42.33	26,081.63	47.32	1,504,406.43
Total revenue.....	12,036.26	22,815.61	3,115,020.61	19,952.86	137,178,073.08
EXPENSE					
Power—purchased.....	7,915.11	14,003.25	1,782,856.84	13,570.04	83,310,026.28
—generated.....					479,380.96
Operation and maintenance (excluding generation).....	1,415.77	1,178.65	249,180.40	1,516.62	12,713,283.99
Administration.....	1,095.61	1,159.64	241,344.73	2,223.49	10,471,721.47
Fixed charges—interest and principal.....	7.85			31.32	4,487,009.81
—depreciation.....	524.00	1,379.95	154,415.00	843.00	7,421,255.69
—other.....			7,504.20		38,786.47
Total expense.....	10,958.34	17,721.49	2,435,301.17	18,184.47	118,921,464.67
Surplus or deficit.....	1,077.92	5,094.12	679,719.44	1,768.39	18,256,608.41
Number of customers.....	179	303	35,113	282	1,090,970

Statements for the Year Ended December 31, 1956
Northern Ontario Properties

Atikokan Twp.	Cache Bay	Capreol	Chapleau Twp.	Cochrane	Coniston
5,957	895	2,356	3,364	3,816	2,470
\$ 388,568.51 31,024.00	\$ 47,473.78 5,725.00	\$ 131,160.88 19,616.29	\$ 91,612.92 2,082.34	\$ 305,007.35 43,329.70	\$ 75,752.93 5,879.65
357,544.51	41,748.78	111,544.59	89,530.58	261,677.65	69,873.28
56,213.70	4,527.61	7,291.08	100.00	47,248.68	.....
92,584.59	2,872.50	.....	.....	.....	.....
.....	1,519.84	735.83	3,706.37	7,340.83	13,451.78
148,798.29	8,919.95	8,026.91	3,806.37	54,589.51	13,451.78
.....	2.26	.....	.....	10,350.01	5,107.86
.....	.....	.....	4,516.68	1,162.60	136.87
.....	2.26	.....	4,516.68	11,512.61	5,244.73
506,342.80	50,670.99	119,571.50	97,853.63	327,779.77	88,569.79
400,000.00	16,000.00	41,500.00	80,000.00	122,000.00	50,000.00
16,073.40	.....	1,771.18	26,141.07	14,793.45	3,654.72
23,930.61	100.00	989.34	660.00	10,100.04	5,475.00
440,004.01	16,100.00	44,260.52	106,801.07	146,893.49	59,129.72
12,000.00	70.03	133.12	331.81	526.40	1,291.67
12,000.00	70.03	133.12	331.81	526.40	1,291.67
.....	12,000.00	27,500.00	5,000.00	23,000.00	.....
54,338.79	22,500.96	47,677.86	14,279.25	157,359.88	28,148.40
.....
54,338.79	34,500.96	75,177.86	9,279.25	180,359.88	28,148.40
506,342.80	50,670.99	119,571.50	97,853.63	327,779.77	88,569.79
212,601.63	27,968.68	74,304.48	94,473.12	140,051.12	4 months' operation 12,814.70
3,769.22	1,285.00	3,670.16	2,933.92	7,300.00	1,148.36
20.77	40.52	73.65	79.40	464.30	.....
216,391.62	29,294.20	78,048.29	97,486.44	147,815.42	13,963.06
93,601.27	18,472.83	49,669.79	85,571.19	66,986.33	8,395.04
4,219.46	766.10	5,687.77	4,091.40	27,370.07	1,322.35
32,435.93	1,654.09	8,348.08	7,577.51	18,032.31	1,841.03
11,961.17	2,723.50	3,961.50	7,959.33	13,488.72	1,291.67
7,835.00	1,066.00	3,309.15	1,611.39	7,163.91	680.87
12,000.00	.....	.....	.....	.....	.....
162,052.83	24,682.52	70,976.29	106,810.82	133,041.34	13,530.96
54,338.79	4,611.68	7,072.00	9,324.38	14,774.08	432.10
1,696	199	769	898	1,169	589

Municipal Electrical Utilities Financial Northern Ontario Properties—Continued

Municipality.....	Dryden	Fort William	Hearst	Kapuskasing	Larder Lake Twp. 1,975
Population.....	4,588	39,438	2,276	5,729	
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	285,821.78	2,631,429.99	214,265.25	239,805.89	54,810.91
Accumulated depreciation.....	66,513.90	576,710.30	23,120.21	12,604.73	19,835.97
Net fixed assets.....	219,307.88	2,054,719.69	191,145.04	227,201.16	34,974.94
CURRENT ASSETS					
Cash on hand and in bank.....		57,262.31	71,497.44	79,621.32	13,648.49
Investment in Government securities.....		420,800.00			
Accounts receivable.....	2,718.11	116,242.90	333.67	1,361.96	347.29
Total current assets.....	2,718.11	594,305.21	71,831.11	80,983.28	13,995.78
OTHER ASSETS					
Inventory of stores.....	13,161.12	124,574.21		8,526.20	
Sinking fund on local debentures.....					
Miscellaneous.....	9,763.80	5,852.40		2,128.17	
Total other assets.....	22,924.92	130,426.61		10,654.37	
Equity in Ontario Hydro systems.....	16,846.42	3,452,988.16			
Total.....	261,797.33	6,232,439.67	262,976.15	318,838.81	48,970.72
LIABILITIES					
Debentures outstanding.....	89,714.49	338,000.00	120,300.00	56,663.72	10,900.00
Accounts payable.....	16,807.59	91,442.86	11.40	3,715.33	1,778.32
Other.....	12,237.08	65,324.91	4,080.48	8,855.50	5,850.04
Total liabilities.....	118,759.16	494,767.77	124,391.88	69,234.55	18,528.36
RESERVES					
Equity in Ontario Hydro systems....	16,846.42	3,452,988.16			
Other.....	2,651.32	6,074.10	4,915.60	267.22	118.62
Total reserves.....	19,497.74	3,459,062.26	4,915.60	267.22	118.62
CAPITAL					
Debentures redeemed.....	36,715.51	476,209.11	19,700.00	33,815.60	7,100.00
Local sinking fund.....					
Residual surplus.....	86,824.92	1,802,400.53	113,968.67	215,521.44	23,223.74
Frequency standardization expense charged this year.....					
Total capital.....	123,540.43	2,278,609.64	133,668.67	249,337.04	30,323.74
Total.....	261,797.33	6,232,439.67	262,976.15	318,838.81	48,970.72
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	166,119.69	1,396,447.33	87,324.96	177,786.17	37,068.57
Street lighting.....	7,023.75	51,776.24	2,328.00	7,676.09	2,438.88
Other.....	1,112.50	26,038.06	1,461.10	654.39	
Total revenue.....	174,255.94	1,474,261.63	91,114.06	186,116.65	39,507.45
EXPENSE					
Power—purchased.....	93,689.55	869,521.43	37,389.50	106,148.09	25,734.67
—generated.....					
Operation and maintenance (exclud- ing generation).....	17,686.32	150,737.18	5,901.69	11,892.51	2,744.47
Administration.....	14,520.53	84,942.40	8,299.79	21,276.72	5,010.36
Fixed charges—interest and principal	5,827.82	48,214.84	10,166.00	8,031.98	1,558.00
—depreciation.....	7,170.00	70,737.00	3,675.38	4,880.07	1,765.78
—other.....	4,087.17				
Total expense.....	142,981.39	1,224,152.85	65,432.36	152,229.37	36,813.28
Surplus or deficit.....	31,274.55	250,108.78	25,681.70	33,887.28	2,694.17
Number of customers.....	1,426	12,113	703	1,608	549

Statements for the Year Ended December 31, 1956

Latchford	Massey	McGarry	Nipigon Twp.	North Bay	Port Arthur
514	1,076	2,690	2,488	21,689	37,426
\$ 26,062.33 3,322.49	\$ 55,633.15 1,137.99	\$ 59,867.52 9,986.43	\$ 115,022.85 17,557.17	\$ 1,206,345.19 281,109.19	\$ 3,586,445.52 1,345,058.80
22,739.84	54,495.16	49,881.09	97,465.68	925,236.00	2,241,386.72
445.78	3,124.79	568.45	4,481.48	8,365.77	400,644.63
143.15	1,393.58	148.35	15,000.00	433,000.00	118,794.91
588.93	4,518.37	716.80	4,248.43	26,367.48	952,439.54
128.54	41,160.45	104,151.20	23,729.91	34,733.25	952,439.54
261.10	5,128.45	2,214.69	128.54	41,160.45	104,151.20
261.10	46,288.90	106,365.89	60,243.97	5,128.45	2,214.69
23,328.77	59,013.53	50,858.99	181,568.10	1,006,258.15	9,954,808.47
42,500.00	9,000.00	306,000.00	50,168.26	64,696.41	136,831.40
94.79	204.23	4,544.63	75.37	1,420.63	136,831.40
295.00	665.00	13,544.63	1,496.00	420,864.67	136,831.40
389.79	43,369.23	13,544.63	1,496.00	420,864.67	136,831.40
12.20	60,243.97	20,339.21	60,243.97	20,339.21	6,654,616.32
12.20	60,243.97	20,339.21	60,243.97	20,339.21	338,340.28
20,000.00	2,500.00	5,000.00	10,000.00	254,157.68	6,992,956.60
2,926.78	13,144.30	32,314.36	109,828.13	310,896.59	626,317.40
22,926.78	15,644.30	37,314.36	119,828.13	565,054.27	2,198,703.07
23,328.77	59,013.53	50,858.99	181,568.10	1,006,258.15	2,825,020.47
11,316.05	28,492.18	42,890.36	52,650.85	662,105.03	9,954,808.47
555.00	1,554.00	1,968.00	2,533.50	22,773.96	43,183.71
11,871.05	30,047.30	44,858.36	57,388.99	685,290.45	5,426.19
4,466.40	8,430.67	31,613.19	26,020.93	415,971.58	1,495,047.07
590.30	2,793.85	2,198.36	8,312.34	53,603.17	976,956.75
890.48	3,399.33	4,353.30	5,981.02	77,582.85	22,004.98
1,088.00	3,928.00	1,402.25	2,691.00	24,873.97	129,227.85
580.96	1,049.27	1,521.04	2,691.00	19,157.84	81,347.32
7,616.14	19,601.12	41,088.14	43,005.29	591,189.41	53,259.35
4,254.91	10,446.18	3,770.22	14,383.70	94,101.04	4,500.00
152	295	442	641	6,448	11,911

Municipal Electrical Utilities Financial Northern Ontario Properties—Concluded

Municipality.....	Red Rock	Schreiber Twp.	Sioux Lookout	Sturgeon Falls	Sudbury
Population.....	1,780	2,004	2,333	5,692	47,245
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	89,371.51	109,323.17	168,846.91	206,414.64	3,029,807.68
Accumulated depreciation.....	10,283.44	11,871.06	15,624.73	38,142.67	488,243.27
Net fixed assets.....	79,088.07	97,452.11	153,222.18	168,271.97	2,541,564.41
CURRENT ASSETS					
Cash on hand and in bank.....	2,422.98	6,841.12	25.00	61,619.95	129,330.18
Investment in Government securities.....		15,000.00	5,000.00		50,000.00
Accounts receivable.....	654.00	963.25	3,084.10	17,839.90	88,081.98
Total current assets.....	3,076.98	22,804.37	8,109.10	79,459.85	267,412.16
OTHER ASSETS					
Inventory of stores.....			9,993.97		94,148.51
Sinking fund on local debentures.....					
Miscellaneous.....	1,738.30			83.34	3,161.68
Total other assets.....	1,738.30		9,993.97	83.34	97,310.19
Equity in Ontario Hydro systems.....	20,354.30	23,920.44			
Total.....	104,257.65	144,176.92	171,325.25	247,815.16	2,906,286.76
LIABILITIES					
Debentures outstanding.....	19,630.00	4,500.00		94,000.00	360,724.02
Accounts payable.....	10,221.56	825.71	19,249.79	.10	15,477.54
Other.....	50.00		4,440.08	8,533.35	76,208.57
Total liabilities.....	29,901.56	5,325.71	23,689.87	102,533.45	452,410.13
RESERVES					
Equity in Ontario Hydro systems.....	20,354.30	23,920.44			
Other.....				408.03	115,091.93
Total reserves.....	20,354.30	23,920.44		408.03	115,091.93
CAPITAL					
Debentures redeemed.....	11,570.00	45,500.00		6,000.00	656,614.51
Local sinking fund.....					
Residual surplus.....	42,431.79	69,430.77	147,635.38	138,873.68	1,682,170.19
Frequency standardization expense charged this year.....					
Total capital.....	54,001.79	114,930.77	147,635.38	144,873.68	2,338,784.70
Total.....	104,257.65	144,176.92	171,325.25	247,815.16	2,906,286.76
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	30,858.00	45,907.45	99,831.16	124,027.96	1,491,334.78
Street lighting.....	1,419.00	3,503.04	6,936.96	11,024.04	75,084.69
Other.....	19.35	996.36	935.24	447.37	7,014.31
Total revenue.....	32,296.35	50,406.85	107,703.36	135,499.37	1,573,433.78
EXPENSE					
Power—purchased.....	17,348.49	25,888.00	70,413.05	62,838.97	829,291.65
—generated.....					
Operation and maintenance (excluding generation).....	1,795.26	4,804.68	9,395.87	14,437.08	217,233.14
Administration.....	2,849.62	6,264.52	12,438.02	18,062.61	105,231.43
Fixed charges—interest and principal.....	2,131.67	1,742.64	269.89	7,861.54	67,988.84
—depreciation.....	1,799.00	2,371.00	3,608.00	5,370.35	74,773.83
—other.....					
Total expense.....	25,924.04	41,070.84	96,124.83	108,570.55	1,294,518.89
Surplus or deficit.....	6,372.31	9,336.01	11,578.53	26,928.82	278,914.89
Number of customers.....	314	556	923	1,478	15,116

Statements for the Year Ended December 31, 1956

Terrace Bay 1,818	Thessalon 1,554	Webbwood 465	West Ferris Twp. 3,680	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$ 146,002.73 21,609.00	\$ 63,573.24 20,366.76	\$ 26,046.29 1,198.43	\$ 263,836.16 30,783.01	\$ 13,618,309.08 3,102,736.53	\$ 298,832,206.56 66,539,420.46
124,393.73	43,206.48	24,847.86	233,053.15	10,515,572.55	232,292,786.10
37,977.40	33,930.74	13,179.62	.....	1,040,368.52	9,858,535.71
30,000.00	.....	.....	.....	971,672.50	15,512,896.26
842.18	10,764.65	157.32	1,130.32	514,956.77	12,776,466.24
68,819.58	44,695.39	13,336.94	1,130.32	2,526,997.79	38,147,898.21
.....	.....	.....	4,460.10	415,764.43	9,681,857.72
.....	.....	.....	.....	.....	290,682.53
.....	194.92	.....	.....	36,343.00	2,399,183.97
.....	194.92	.....	4,460.10	452,107.43	12,371,724.22
43,963.93	.....	.....	.....	10,272,933.54	183,262,708.26
237,177.24	88,096.79	38,184.80	238,643.57	23,767,611.31	466,075,116.79
54,600.00	63,000.00	28,319.99	165,500.00	2,472,852.22	58,528,556.65
.....	4,964.80	3,372.09	8,360.72	426,035.68	11,633,156.25
.....	2,045.26	97.50	6,871.49	307,470.92	3,910,276.02
54,600.00	70,010.06	31,789.58	180,732.21	3,206,358.82	74,071,988.92
43,963.93	.....	.....	.....	10,272,933.54	183,262,708.26
.....	30.37	6.71	50.59	502,659.21	6,948,235.70
43,963.93	30.37	6.71	50.59	10,775,592.75	190,210,943.96
23,400.00	2,000.00	1,680.01	17,000.00	2,322,779.82	69,338,989.80
.....	.....	.....	.....	.....	290,682.53
115,213.31	16,056.36	4,708.50	40,860.77	7,462,879.92	132,983,133.97
.....	.....	.....	.....	.....	820,622.39
138,613.31	18,056.36	6,388.51	57,860.77	9,785,659.74	201,792,183.91
237,177.24	88,096.79	38,184.80	238,643.57	23,767,611.31	466,075,116.79
.....	8 months' operation	.....	.....	.....	.....
58,119.96	27,595.28	11,017.50	124,040.43	6,683,584.61	138,005,827.59
3,200.69	2,507.19	940.77	3,306.56	271,840.73	4,623,264.40
1,760.69	136.62	.....	643.03	49,941.07	1,554,347.50
63,081.34	30,239.09	11,958.27	127,990.02	7,005,366.41	144,183,439.49
31,493.63	13,309.84	3,470.10	61,305.03	4,033,997.97	87,344,024.25
.....	.....	.....	.....	22,004.98	501,385.94
1,822.88	3,490.28	1,364.33	10,181.98	693,670.69	13,406,954.68
4,432.03	4,154.51	1,521.97	11,724.23	544,171.99	11,015,893.46
6,006.37	4,997.86	2,620.04	17,831.22	257,926.82	4,744,936.63
3,505.00	2,059.70	480.20	6,169.41	288,290.50	7,709,546.19
.....	.....	.....	.....	20,587.17	59,373.64
47,259.91	28,012.19	9,456.64	107,211.87	5,860,650.12	124,782,114.79
15,821.43	2,226.90	2,501.63	20,778.15	1,144,716.29	19,401,324.70
394	465	130	1,417	62,401	1,153,371

INTRODUCTION TO STATEMENT "C" AND STATEMENT "D"

STATEMENT "C"

Statement "C" is the schedule of resale rates for domestic, commercial, and power service in the municipal distribution systems supplied by the Commission. During 1956 the new municipal rate structures were introduced in a number of municipalities in conjunction with a revision of resale rates. Statement "C" has been adjusted to accommodate both the new and the old rate structures.

Description of Classes of Service

Domestic rates are applicable to all electrical service for household purposes, with the exception of space heating and flat-rate water-heaters. The account for normal domestic service consists of specified blocks of kilowatt-hours per month with suitable rates for each block. The account is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. For comparative purposes, net monthly bills are shown for metered energy consumptions of 100, 300, and 500 kilowatt-hours per month.

The customer may choose to pay at regular rates for energy used in electric water-heaters by including his water-heater with his metered load. The water-heater rates shown in Statement "C", however, are applicable to unmetered flat-rate service to electric water-heaters. The account consists of a monthly rate per 100 watts of heater capacity. The flat-rate water-heater load in many municipalities is subject to peak-load control by the utility.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, restaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. In a number of municipalities, commercial-type customers having connected loads of less than five kilowatts are billed at domestic rates. Otherwise commercial accounts consist of a monthly demand rate (with a minimum) applied to the customer's billing demand, plus an energy rate per kilowatt-hour. The energy rate, depending on whether the old or the new rate structures are in effect, is applied either to one or to two blocks of kilowatt-hours based on 100 hours' monthly use of the billing demand, all remaining monthly kilowatt-hours being billed at a final energy rate. For example, a commercial service customer under the new rate structure and with a demand of five kilowatts is billed for 500 kilowatt-hours at the first energy rate, while a customer with a demand of ten kilowatts is billed for 1,000 kilowatt-hours at the first energy rate. The account is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. The net monthly bills shown are calculated on the basis of a demand of one kilowatt for a use per month of 100, 200, and 300 hours. The corresponding bill for a demand of 10 kilowatts for the same number of hours' use would be ten times the amounts shown, and for x kilowatts would be x times the amounts shown.

The rates for power service are for 24-hour unrestricted power at secondary distribution voltage. Like the domestic and commercial service rates, they cover retail supply to customers of the municipal utilities and local systems. They do not apply to certain large power customers served directly by the Commission.

The power service account, like the commercial service account, consists of a monthly demand rate applied to the customer's billing demand, plus an energy rate for a first block of kilowatt-hours based on a specified number of hours' monthly use of the billing demand, plus a second energy rate for a second block of kilowatt-hours similarly calculated, all remaining monthly kilowatt-hours being billed at a third energy rate. The old rate structure allowed for fifty hours' use at each of the first two rates; the new structure allows for 100 hours' use at each of the first two rates. The account is subject to a prompt payment discount of 10 per cent. Customers providing their own step-down transformation are granted on the basis of their billing demand an allowance of 27¢ per kilowatt per month gross for service at subtransmission voltage and 17¢ per kilowatt per month gross for service at primary distribution voltage. The net monthly bills shown are calculated on the same basis as for commercial service.

STATEMENT "D"

Statement "D" records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The revenue and estimated consumption from the use of flat-rate water-heaters are included in the totals shown.

With the introduction of the new rate structure there may be a shift of a substantial group of customers with small connected loads from commercial service rates to domestic service rates. For statistical purposes they will thereafter be included in the domestic service group. If such a shift during the year under review materially distorts the calculated averages of consumption and cost per customer, these averages are omitted.

The average cost per kilowatt-hour shown is the average cost to the customer, that is, the average revenue per kilowatt-hour received by the utility. This average may rise with an increase in rates but the ever-increasing use of electric energy counters such a rise. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems combined may be seen in the table on page 89 and the graph on page 91.

A feature of domestic service in Ontario is the high consumption per customer through the use of a variety of electrical appliances, including flat-rate water-heaters. The rate structures encourage the generous use of this type of equipment, which is reflected in turn in low average cost per kilowatt-hour.

For power service customers, the relationship between demand and energy is an important factor in establishing the individual's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour.

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$ ^a	\$	\$
Acton.....	45	60	3.2	....	....	1.3	2.20	4.54	6.88
Ailsa Craig.....	51	60	3.2	....	....	1.2	2.16	4.32	6.48
Ajax.....	39	60	4.0	....	....	1.5	2.70	5.40	8.10
Alexandria.....	44	60	2.6	....	....	1.0	1.76	3.56	5.36
Alfred.....	45	60	5.0	....	....	2.0	3.42	7.02	10.62
Alliston.....	43	60	3.1	....	....	1.0	2.03	3.83	5.63
Almonte.....	37	60	2.5	....	....	1.0	1.71	3.51	5.31
Alvinston.....	54	60	3.5	....	....	1.0	2.25	4.05	5.85
Amherstburg.....	51	60	3.5	....	....	1.2	2.32	4.48	6.64
Ancaster Twp. (including Ancaster).....	43	60	4.2	....	....	1.2	2.70	4.86	7.02
Apple Hill.....	56	60	4.0	....	....	1.0	2.52	4.32	6.12
Arkona.....	51	60	4.4	....	....	1.2	2.81	4.97	7.13
Arnprior.....	42	60	2.9	....	....	1.0	1.93	3.73	5.53
Arthur.....	45	60	3.3	....	....	1.2	2.21	4.37	6.53
Athens.....	40	60	2.0	....	....	1.0	1.44	3.24	5.04
Atikokan Twp.....	40	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Aurora.....	42	60	2.7	....	....	1.1	1.85	3.83	5.81
Aylmer.....	45	60	2.5	....	....	1.0	1.71	3.51	5.31
Ayr.....	44	60	2.9	....	....	1.0	1.93	3.73	5.53
Baden.....	42	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
†Bala.....	36	a50	3.7	....	....	1.2	2.50	4.96	7.12
Bancroft.....	53	60	3.5	....	....	1.3	2.36	4.70	7.04
Barrie.....	40	60	2.4	....	....	1.0	1.66	3.46	5.26
Barry's Bay.....	47	60	4.7	....	....	1.6	3.11	5.99	8.87
Bath.....	40	60	3.5	....	....	1.2	2.32	4.48	6.64
Beachville.....	46	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Beamsville.....	43	60	2.7	....	....	1.2	1.89	4.05	6.21
†Beardmore.....	43	60	4.4	....	....	1.5	2.92	5.62	8.32
Beaverton.....	45	60	2.8	....	....	1.2	1.94	4.10	6.26
Beeton.....	50	60	3.8	....	....	1.2	2.48	4.64	6.80
Belle River.....	45	60	4.0	....	....	1.4	2.66	5.18	7.70
Belleville.....	35	60	1.8	....	....	0.8	1.26	2.70	4.14
Blenheim.....	48	60	2.9	....	....	1.2	2.00	4.16	6.32
†Blind River.....	50	60	4.0	....	....	1.5	2.70	5.40	8.10
Bloomfield.....	54	60	2.5	....	....	0.9	1.67	3.29	4.91
Blyth.....	47	60	2.9	....	....	1.1	1.96	3.94	5.92
Bobcaygeon.....	40	60	3.4	....	....	1.2	2.27	4.43	6.59
Bolton.....	46	60	3.0	....	....	1.1	2.02	4.00	5.98
Bothwell.....	52	60	2.6	....	....	1.0	1.76	3.56	5.36
Bowmanville.....	40	60	3.0	....	....	1.0	1.98	3.78	5.58

†Local system.

See explanatory notes on pages 178 and 179.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand												
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours	Demand rate per kw	First 50 or 100 hours †	Next 50 or 100 hours †	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$		\$	¢	¢	¢	\$	\$
2.7	1.2	2.88	3.96	5.04	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.7	1.0	2.88	3.78	4.68	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.5	1.3	3.60	4.77	5.94	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.2	0.8	2.43	3.15	3.87	1.35	2.3	1.5	0.33	2.92	3.22	3.52
4.5	2.0	4.50	6.30	8.10	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.6	1.0	2.79	3.69	4.59	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.3	1.0	2.52	3.42	4.32	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.0	0.9	3.15	3.96	4.77	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.9	0.8	3.06	3.78	4.50	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.6	1.0	3.69	4.59	5.49	1.35	2.9	1.9	0.33	3.37	3.67	3.97
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.9	1.0	3.96	4.86	5.76	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.6	1.0	2.79	3.69	4.59	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.8	1.0	2.97	3.87	4.77	1.35	2.0	1.3	0.33	2.70	3.00	3.29
1.5	0.8	1.80	2.52	3.24	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.7	0.8	0.5	3.78	4.50	4.95	1.00	‡2.4	‡0.5	0.33	3.06	3.51	3.81
2.0	0.8	2.25	2.97	3.69	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.0	0.7	2.25	2.88	3.51	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.4	0.9	2.61	3.42	4.23	1.20	2.1	1.4	0.30	2.65	2.92	3.19
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	‡1.7	‡0.5	0.33	2.43	2.88	3.18
3.7	0.8	3.78	4.50	5.22	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.0	1.2	3.15	4.23	5.31	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.0	0.8	2.25	2.97	3.69	1.00	1.4	0.9	0.25	1.93	2.16	2.38
4.0	1.5	4.05	5.40	6.75	1.35	3.1	2.0	0.33	3.51	3.81	4.10
3.0	1.2	3.15	4.23	5.31	1.35	3.5	2.3	0.33	3.82	4.12	4.42
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	‡1.9	‡0.5	0.33	2.61	3.06	3.36
2.3	1.1	2.52	3.51	4.50	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.9	1.5	3.96	5.31	6.66	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.2	1.0	2.43	3.33	4.23	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.4	1.2	3.51	4.59	5.67	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.4	1.1	3.51	4.50	5.49	1.35	3.2	2.1	0.33	3.60	3.90	4.19
1.6	0.6	1.89	2.43	2.97	1.00	1.3	0.8	0.25	1.84	2.07	2.29
2.4	1.1	2.61	3.60	4.59	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.5	1.5	3.60	4.95	6.30	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.3	0.7	2.52	3.15	3.78	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	1.1	2.61	3.60	4.59	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.9	1.0	3.06	3.96	4.86	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.5	1.1	2.70	3.69	4.68	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.1	0.7	2.34	2.97	3.60	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.4	0.8	2.61	3.33	4.05	1.20	1.6	1.0	0.30	2.25	2.52	2.79

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Bracebridge.....	40	60	3.0	....	....	1.2	2.05	4.21	6.37
Bradford.....	40	45	4.2	....	....	1.0	2.20	4.00	5.80
Braeside.....	49	50	4.0	....	....	1.3	2.38	4.72	7.06
Brampton.....	45	60	2.5	....	....	1.2	1.78	3.94	6.10
Brantford.....	44	60	2.2	....	....	1.2	1.62	3.78	5.94
°°Brantford Twp.....	43	60	4.5	....	....	1.8	3.08	6.32	9.56
Brechin.....	45	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Bridgeport.....	42	60	3.3	....	....	1.2	2.21	4.37	6.53
Bridgen.....	53	60	3.0	....	....	0.9	1.94	3.56	5.18
Brighton.....	42	60	3.6	....	....	1.1	2.34	4.32	6.30
Brockville.....	38	60	2.0	....	....	1.0	1.44	3.24	5.04
Bronte.....	43	60	3.0	....	....	1.5	2.16	4.86	7.56
Brussels.....	49	60	3.2	....	....	1.0	2.09	3.89	5.69
Burford.....	43	60	2.9	....	....	1.1	1.96	3.94	5.92
Burgessville.....	52	60	4.0	....	....	1.0	2.52	4.32	6.12
Burk's Falls.....	47	60	4.0	....	....	1.4	2.66	5.18	7.70
Burlington.....	41	60	3.7	....	....	1.3	2.47	4.81	7.15
†Burlington Beach.....	33	60	3.5	....	....	1.1	2.29	4.27	6.25
Cache Bay.....	45	60	5.0	....	....	1.5	3.24	5.94	8.64
Caledonia.....	43	60	2.4	....	....	1.2	1.73	3.89	6.05
Campbellville.....	50	60	3.0	....	....	1.3	2.09	4.43	6.77
Cannington.....	48	60	3.2	....	....	1.0	2.09	3.89	5.69
Capreol.....	43	60	3.5	....	....	1.3	2.36	4.70	7.04
Cardinal.....	40	55	2.8	....	....	1.1	1.83	3.81	5.79
Carleton Place.....	37	55	2.8	....	....	1.1	1.83	3.81	5.79
Casselman.....	42	60	5.0	....	....	2.0	3.42	7.02	10.62
Cayuga.....	46	60	3.5	....	....	1.0	2.25	4.05	5.85
Chapleau Twp.....	..	60	9.0	....	....	4.0	6.30	13.50	20.70
Chatham.....	48	60	3.8	....	....	1.4	2.56	5.08	7.60
Chatsworth.....	46	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Chesley.....	45	60	2.7	....	....	1.0	1.82	3.62	5.42
Chesterville.....	44	60	2.7	....	....	1.1	1.85	3.83	5.81
Chippawa.....	40	60	3.1	....	....	1.4	2.18	4.70	7.22
Clifford.....	48	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Clinton.....	46	60	3.1	....	....	1.2	2.11	4.27	6.43
†Cobalt.....	42	60	4.2	....	....	1.5	2.81	5.51	8.21
Cobden.....	36	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Cobourg.....	44	60	2.9	....	....	1.4	2.07	4.59	7.11
Cochrane.....	42	60	3.4	....	....	1.5	2.38	5.08	7.78
Colborne.....	43	60	3.8	....	....	1.0	2.41	4.21	6.01

†Local system.

See explanatory notes on pages 178 and 179.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 or 100 hours +	Next 50 or 100 hours +	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.0	1.0	2.25	3.15	4.05	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.7	1.0	3.78	4.68	5.58	1.35	2.0	1.3	0.33	2.70	3.00	3.29
4.0	1.0	4.05	4.95	5.85	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.0	1.1	2.25	3.24	4.23	1.20	1.6	1.0	0.30	2.25	2.52	2.79
1.8	0.7	2.07	2.70	3.33	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.0	1.6	3.15	4.59	6.03	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.6	0.8	0.5	2.79	3.51	3.96	1.00	1.4	1.0	0.33	2.16	2.61	2.91
2.8	1.2	2.97	4.05	5.13	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.5	0.7	2.70	3.33	3.96	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.1	1.0	3.24	4.14	5.04	1.20	1.9	1.3	0.30	2.52	2.79	3.06
1.7	0.8	1.98	2.70	3.42	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.5	1.5	2.70	4.05	5.40	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.7	0.8	2.88	3.60	4.32	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	1.1	2.61	3.60	4.59	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.5	0.8	3.60	4.32	5.04	1.35	2.9	1.9	0.33	3.37	3.67	3.97
3.5	1.4	3.60	4.86	6.12	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.1	0.9	3.24	4.05	4.86	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.2	0.7	3.33	3.96	4.59	1.35	2.3	1.5	0.33	2.92	3.22	3.52
4.5	1.5	4.50	5.85	7.20	1.35	3.7	2.4	0.33	3.96	4.26	4.55
1.9	1.1	2.16	3.15	4.14	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.8	1.1	2.97	3.96	4.95	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.8	0.9	2.97	3.78	4.59	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.0	1.1	3.15	4.14	5.13	1.35	2.9	1.9	0.33	3.37	3.67	3.97
2.3	1.0	2.52	3.42	4.32	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.3	0.9	2.52	3.33	4.14	1.20	1.4	0.9	0.30	2.11	2.38	2.65
4.5	2.0	4.50	6.30	8.10	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.0	0.8	3.15	3.87	4.59	1.35	2.8	1.8	0.33	3.28	3.58	3.88
8.5	4.0	8.10	11.70	15.30	1.35	5.7	3.8	2.00	5.49	7.29	9.09
3.3	1.2	3.42	4.50	5.58	1.35	2.0	1.3	0.40	2.70	3.00	3.29
2.5	0.8	0.5	2.70	3.42	3.87	1.00	1.0	1.0	0.33	2.70	3.15	3.45
2.3	1.0	2.52	3.42	4.32	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.2	1.1	2.43	3.42	4.41	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.6	1.3	2.79	3.96	5.13	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.1	0.8	0.5	3.24	3.96	4.41	1.00	1.0	1.0	0.33	3.24	3.69	3.99
2.6	1.2	2.79	3.87	4.95	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.7	1.5	3.78	5.13	6.48	1.35	2.0	1.3	0.33	2.70	3.00	3.29
1.9	0.8	0.5	2.16	2.88	3.33	1.00	1.0	1.0	0.33	2.07	2.52	2.82
2.4	1.3	2.61	3.78	4.95	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.9	1.4	3.06	4.32	5.58	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.0	1.0	3.15	4.05	4.95	1.35	2.8	1.8	0.33	3.28	3.58	3.88

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Coldwater.....	45	60	3.2	....	....	1.0	2.09	3.89	5.69
Collingwood.....	43	60	2.5	....	....	1.1	1.75	3.73	5.71
Comber.....	52	60	3.3	....	....	1.2	2.21	4.37	6.53
Coniston.....	43	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Cookstown.....	51	45	4.3	....	....	1.0	2.24	4.04	5.84
Cottam.....	50	60	3.3	....	....	1.2	2.21	4.37	6.53
Courtright.....	59	60	3.0	....	....	1.1	2.02	4.00	5.98
Creemore.....	53	50	3.1	....	....	1.0	1.84	3.64	5.44
Dashwood.....	50	60	4.1	....	....	1.4	2.72	5.24	7.76
Delaware.....	46	60	3.8	....	....	1.4	2.56	5.08	7.60
Delhi.....	43	60	3.2	....	....	1.0	2.09	3.89	5.69
Deseronto.....	51	60	3.9	....	....	1.0	2.47	4.27	6.07
Dorchester.....	47	60	2.8	....	....	1.2	1.94	4.10	6.26
Drayton.....	59	55	4.0	....	....	1.3	2.51	4.85	7.19
Dresden.....	48	60	3.2	....	....	1.3	2.20	4.54	6.88
Drumbo.....	41	60	3.5	....	....	1.0	2.25	4.05	5.85
Dryden.....	49	60	4.5	....	....	1.5	2.97	5.67	8.37
Dublin.....	55	60	3.5	....	....	1.1	2.29	4.27	6.25
Dundalk.....	44	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Dundas.....	40	60	2.8	....	....	1.1	1.91	3.89	5.87
Dunnville.....	49	60	2.6	....	....	1.5	1.94	4.64	7.34
Durham.....	58	60	2.7	....	....	1.1	1.85	3.83	5.81
Dutton.....	51	60	2.9	....	....	1.2	2.00	4.16	6.32
East York Twp.....	42	60	2.5	....	....	1.3	1.82	4.16	6.50
Eganville.....	42	60	4.3	....	....	1.1	2.72	4.70	6.68
†Elk Lake Townsite.....	42	..	Special	....	....	....	2.30	4.60	6.60
Elmira.....	45	60	3.2	....	....	0.9	2.05	3.67	5.29
Elmvale.....	46	60	2.9	....	....	1.1	1.96	3.94	5.92
Elmwood.....	53	50	3.5	....	....	0.9	1.98	3.60	5.22
Elora.....	44	60	3.2	....	....	1.4	2.23	4.75	7.27
Embro.....	44	60	3.3	....	....	1.1	2.18	4.16	6.14
†Englehart.....	50	60	4.5	....	....	1.5	2.97	5.67	8.37
Erieau.....	51	60	3.7	....	....	1.0	2.36	4.16	5.96
Erie Beach.....	61	60	5.3	....	....	1.5	3.40	6.10	8.80
Erin.....	45	60	3.5	....	....	1.3	2.36	4.70	7.04
Essex.....	51	60	2.9	....	....	1.2	2.00	4.16	6.32
Etobicoke Twp. (including Thistletown).....	40	60	2.7	....	....	1.3	1.93	4.27	6.61
Exeter.....	47	60	3.0	....	....	1.3	2.09	4.43	6.77
Fergus.....	45	60	3.3	....	....	1.3	2.25	4.59	6.93
Finch.....	51	45	3.0	....	....	1.2	1.81	3.97	6.13

†Local system.

See explanatory notes on pages 178 and 179.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand							First 50 or 100 hours †	Next 50 or 100 hours †	All addi- tional hours			
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours					100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.5	1.0	2.70	3.60	4.50	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.0	1.1	2.25	3.24	4.23	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.8	1.1	2.97	3.96	4.95	1.35	2.9	1.9	0.33	3.37	3.67	3.97
2.7	0.8	0.5	2.88	3.60	4.05	1.00	2.0	1.0	0.33	2.70	3.15	3.45
3.8	1.0	3.87	4.77	5.67	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.8	1.2	2.97	4.05	5.13	1.35	3.2	2.1	0.33	3.60	3.90	4.19
3.2	1.0	3.33	4.23	5.13	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.6	0.9	2.79	3.60	4.41	1.20	1.6	1.0	0.30	2.25	2.52	2.79
3.7	1.3	3.78	4.95	6.12	1.35	3.4	2.2	0.33	3.73	4.03	4.33
3.4	1.4	3.51	4.77	6.03	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.6	0.8	2.79	3.51	4.23	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.5	0.9	3.60	4.41	5.22	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.4	1.1	2.61	3.60	4.59	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.4	0.7	3.51	4.14	4.77	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.7	1.1	2.88	3.87	4.86	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.0	0.8	3.15	3.87	4.59	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.8	2.0	3.87	5.67	7.47	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.0	0.8	3.15	3.87	4.59	1.35	3.4	2.2	0.33	3.73	4.03	4.33
2.6	0.8	0.5	2.79	3.51	3.96	1.00	1.9	1.0	0.33	2.61	3.06	3.36
2.3	1.0	2.52	3.42	4.32	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.2	1.5	2.43	3.78	5.13	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.4	1.0	2.61	3.51	4.41	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.4	1.0	2.61	3.51	4.41	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.0	0.9	2.25	3.06	3.87	1.20	1.6	1.0	0.30	2.25	2.52	2.79
3.8	1.0	3.87	4.77	5.67	1.35	2.5	1.6	0.33	3.06	3.36	3.65
Special	3.50	4.50	5.50	....	Special	....	....	3.50	4.50	5.50
2.6	0.8	2.79	3.51	4.23	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.4	1.0	2.61	3.51	4.41	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.0	0.8	3.15	3.87	4.59	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.8	1.4	2.97	4.23	5.49	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.7	0.7	2.88	3.51	4.14	1.35	3.1	2.0	0.33	3.51	3.81	4.10
4.0	1.5	4.05	5.40	6.75	1.35	3.1	2.0	0.33	3.51	3.81	4.10
3.5	0.9	3.60	4.41	5.22	1.35	4.0	2.6	0.33	4.18	4.48	4.78
4.8	1.0	4.77	5.67	6.57	1.35	4.1	2.7	0.33	4.27	4.57	4.87
3.0	1.2	3.15	4.23	5.31	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	1.0	2.61	3.51	4.41	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.2	0.8	2.43	3.15	3.87	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.6	0.8	2.79	3.51	4.23	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.8	1.1	2.97	3.96	4.95	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.8	1.0	2.97	3.87	4.77	1.35	3.5	2.3	0.33	3.82	4.12	4.42

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Flesherton.....	37	60	2.3	....	....	1.0	1.60	3.40	5.20
Fonthill.....	41	60	3.0	....	....	1.3	2.09	4.43	6.77
Forest.....	50	60	3.4	....	....	1.0	2.20	4.00	5.80
Forest Hill.....	40	60	2.5	....	....	1.4	1.85	4.37	6.89
Fort William.....	34	60	2.0	....	....	0.8	1.37	2.81	4.25
Frankford.....	34	60	3.0	....	....	1.1	2.02	4.00	5.98
Galt.....	40	60	3.0	....	....	1.1	2.02	4.00	5.98
Georgetown.....	45	60	2.9	....	....	1.4	2.07	4.59	7.11
Glen Williams.....	45	60	3.6	....	....	1.6	2.52	5.40	8.28
†Geraldton.....	43	60	4.4	....	....	1.5	2.92	5.62	8.32
Glencoe.....	52	60	3.0	....	....	0.9	1.94	3.56	5.18
Goderich.....	52	60	3.3	....	....	1.4	2.29	4.81	7.33
†Gogama.....	..	50	7.0	3.5	....	1.6	4.72	10.17	13.05
Grand Bend.....	52	60	4.4	....	....	1.5	2.92	5.62	8.32
Grand Valley.....	50	60	3.0	....	....	1.2	2.05	4.21	6.37
Granton.....	50	60	3.9	....	....	1.4	2.61	5.13	7.65
Gravenhurst.....	40	60	2.1	....	....	1.0	1.49	3.29	5.09
Grimsby.....	46	60	2.5	....	....	1.1	1.75	3.73	5.71
Guelph.....	41	60	2.5	....	....	1.1	1.75	3.73	5.71
Hagersville.....	41	60	2.8	....	....	1.1	1.91	3.89	5.87
†Haileybury.....	37	60	3.9	....	....	1.2	2.54	4.70	6.86
Hamilton.....	46	60	2.6	....	....	1.1	1.80	3.78	5.76
Hanover.....	42	60	2.2	....	....	1.0	1.55	3.35	5.15
Harriston.....	45	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Harrow.....	49	60	3.5	....	....	1.4	2.39	4.91	7.43
Hastings.....	52	45	4.2	....	....	1.0	2.20	4.00	5.80
Havelock.....	45	60	3.6	....	....	1.5	2.48	5.18	7.88
Hawkesbury.....	36	60	4.0	....	....	1.5	2.70	5.40	8.10
Hearst.....	60	50	5.4	2.7	....	1.6	3.64	8.01	10.89
Hensall.....	48	60	3.2	....	....	1.0	2.09	3.89	5.69
†Hepworth.....	50	60	4.0	....	....	1.2	2.59	4.75	6.91
Hespeler.....	42	60	3.2	....	....	1.1	2.12	4.10	6.08
Highgate.....	47	60	3.2	....	....	0.9	2.05	3.67	5.29
Molstein.....	75	60	3.0	....	....	1.0	1.98	3.78	5.58
†Hornepayne.....	60	60	8.0	....	....	2.0	5.04	8.64	12.24
†Mudson Townsite.....	45	60	4.4	....	....	1.7	2.99	6.05	9.11
Huntsville.....	40	60	2.4	....	....	1.2	1.73	3.89	6.05
†Ignace.....	60	60	8.0	....	....	2.0	5.04	8.64	12.24
Ingersoll.....	46	60	3.4	....	....	1.3	2.30	4.64	6.98
Iroquois.....	43	60	2.8	....	....	1.2	1.94	4.10	6.26
Jarvis.....	44	60	2.8	....	....	0.9	1.84	3.46	5.08

†Local system.

See explanatory notes on pages 178 and 179.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand							First 50 or 100 hours †	Next 50 or 100 hours †	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours							
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
1.9	1.0	2.16	3.06	3.96	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.5	1.2	2.70	3.78	4.86	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.9	0.7	3.06	3.69	4.32	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.0	1.2	2.25	3.33	4.41	1.20	1.6	1.0	0.30	2.25	2.52	2.79
1.9	0.4	2.16	2.52	2.88	1.00	1.4	0.9	0.25	1.93	2.16	2.38
2.5	1.0	2.70	3.60	4.50	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.5	1.0	2.70	3.60	4.50	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.4	1.4	2.61	3.87	5.13	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.1	1.6	3.24	4.68	6.12	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.9	1.5	3.96	5.31	6.66	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.6	0.8	2.79	3.51	4.23	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.9	1.1	3.06	4.05	5.04	1.35	2.9	1.9	0.33	3.37	3.67	3.97
5.8	0.8	0.5	5.67	6.39	6.84	1.00	‡5.1	‡0.5	0.33	5.49	5.94	6.24
3.9	1.3	3.96	5.13	6.30	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.5	1.2	2.70	3.78	4.86	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.4	1.3	3.51	4.68	5.85	1.35	2.6	1.7	0.33	3.15	3.45	3.74
1.6	0.9	1.89	2.70	3.51	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.0	1.0	2.25	3.15	4.05	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.0	0.9	2.25	3.06	3.87	1.00	1.5	1.1	0.30	2.07	2.34	2.61
2.3	0.9	2.52	3.33	4.14	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.4	1.2	3.51	4.59	5.67	1.35	2.0	1.3	0.33	2.70	3.00	3.29
e1.9	0.7	2.16	2.79	3.42	1.00	1.4	0.9	0.40	1.93	2.29	2.65
1.7	1.0	1.98	2.88	3.78	1.00	1.5	0.9	0.30	1.98	2.25	2.52
2.8	0.8	0.5	2.97	3.69	4.14	1.00	‡2.1	‡0.5	0.33	2.79	3.24	3.54
3.1	1.2	3.24	4.32	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.6	1.0	3.69	4.59	5.49	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.1	1.3	3.24	4.41	5.58	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.5	1.5	3.60	4.95	6.30	1.35	2.0	1.3	0.33	2.70	3.00	3.29
5.4	0.8	0.5	5.31	6.03	6.48	1.00	‡4.1	‡0.5	0.33	4.59	5.04	5.34
2.7	0.9	2.88	3.69	4.50	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.5	1.0	3.60	4.50	5.40	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.6	0.9	2.79	3.60	4.41	1.20	1.6	1.0	0.33	2.25	2.55	2.84
2.8	0.7	2.97	3.60	4.23	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.5	0.8	2.70	3.42	4.14	1.35	3.5	2.3	0.33	3.82	4.12	4.42
7.5	2.0	7.20	9.00	10.80	1.35	4.9	3.3	0.33	4.90	5.20	5.50
3.9	1.5	3.96	5.31	6.66	1.35	3.8	2.5	0.33	4.05	4.35	4.64
2.2	1.1	2.43	3.42	4.41	1.20	1.6	1.0	0.30	2.25	2.52	2.79
7.5	2.0	7.20	9.00	10.80	1.35	4.9	3.3	0.33	4.90	5.20	5.50
2.8	0.8	2.97	3.69	4.41	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.3	1.0	2.52	3.42	4.32	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.3	0.6	2.52	3.06	3.60	1.20	2.1	1.4	0.30	2.65	2.92	3.19

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
†Jellicoe Townsite.....	45	60	4.4	....	....	1.7	2.99	6.05	9.11
Kapuskasing.....	42	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
†Kearns Townsite.....	45	b40	3.5	....	....	▲ 1.6 0.75	2.63	4.90	6.25
Kemptville.....	45	55	3.2	....	....	1.0	1.99	3.79	5.59
Kincardine.....	45	50	3.1	....	....	1.0	1.84	3.64	5.44
†King Kirkland Townsite.....	45	b40	3.5	....	....	▲ 1.6 0.75	2.63	4.90	6.25
Kingston.....	38	60	1.8	....	....	0.9	1.30	2.92	4.54
Kingsville.....	48	60	3.2	....	....	1.2	2.16	4.32	6.48
Kirkfield.....	45	50	5.0	....	....	1.2	2.79	4.95	7.11
†Kirkland Lake (including Swastika).....	42	..	Special	....	....	....	2.30	4.60	6.60
Kitchener.....	42	60	2.6	....	....	1.3	1.87	4.21	6.55
Lakefield.....	38	55	2.8	....	....	1.0	1.79	3.59	5.39
Lambeth.....	43	60	3.5	....	....	1.3	2.36	4.70	7.04
Lanark.....	36	60	2.5	....	....	1.1	1.75	3.73	5.71
Lancaster.....	43	60	2.3	....	....	1.0	1.60	3.40	5.20
Larder Lake Twp.....	46	60	3.5	....	....	1.1	2.29	4.27	6.25
La Salle.....	52	60	4.6	....	....	1.6	3.06	5.94	8.82
Latchford.....	..	60	5.0	....	....	2.0	3.42	7.02	10.62
Leamington.....	48	60	2.7	....	....	1.1	1.85	3.83	5.81
Lindsay.....	44	60	2.6	....	....	1.3	1.87	4.21	6.55
Listowel.....	49	60	3.0	....	....	1.3	2.09	4.43	6.77
London.....	44	60	2.8	....	....	1.2	1.94	4.10	6.26
London Twp.....	43	60	3.5	....	....	1.4	2.39	4.91	7.43
Long Branch.....	40	60	2.4	....	....	1.2	1.73	3.89	6.05
L'Orignal.....	41	60	6.0	....	....	2.0	3.96	7.56	11.16
Lucan.....	48	60	3.4	....	....	1.4	2.34	4.86	7.38
Lucknow.....	57	55	2.7	....	....	1.0	1.75	3.55	5.35
Lynden.....	45	60	3.2	....	....	1.1	2.12	4.10	6.08
Madoc.....	47	60	2.9	....	....	1.2	2.00	4.16	6.32
Magnetawan.....	52	60	4.7	....	....	2.0	3.26	6.86	10.46
Markdale.....	45	60	2.5	....	....	1.0	1.71	3.51	5.31
Markham.....	45	50	3.0	1.6	1.0	1.3	2.07	4.68	6.48
Marmora.....	48	60	3.6	....	....	1.0	2.30	4.10	5.90
Martintown.....	40	60	4.0	....	....	1.2	2.59	4.75	6.91
Massey.....	48	60	6.0	....	....	2.5	4.14	8.64	13.14
†Matachewan Twp.....	45	50	4.5	....	....	1.0	2.47	4.27	6.07
†Matheson.....	45	b40	3.5	....	....	▲ 1.6 0.75	2.63	4.90	6.25
†Mattawa.....	45	60	5.3	....	....	1.6	3.44	6.32	9.20
Maxville.....	58	55	3.1	....	....	1.0	1.94	3.74	5.53
McGarry.....	46	60	3.5	....	....	1.1	2.29	4.27	6.25

†Local system.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 or 100 hours †	Next 50 or 100 hours †	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
3.9	1.5	3.96	5.31	6.66	1.35	3.8	2.5	0.33	4.05	4.35	4.64
2.7	0.8	0.5	2.88	3.60	4.05	1.00	22.0	20.5	0.33	2.70	3.15	3.45
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.7	1.0	2.88	3.78	4.68	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.6	0.8	2.79	3.51	4.23	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
1.5	0.9	1.80	2.61	3.42	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.4	1.0	2.61	3.51	4.41	1.35	2.3	1.5	0.33	2.92	3.22	3.52
4.5	1.0	4.50	5.40	6.30	1.35	4.1	2.7	0.33	4.27	4.57	4.87
Special	3.50	4.50	5.50	....	Special	....	....	3.50	4.50	5.50
2.3	1.0	2.52	3.42	4.32	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.4	0.8	2.61	3.33	4.05	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.1	1.1	3.24	4.23	5.22	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.0	1.0	2.25	3.15	4.05	1.35	2.2	1.4	0.33	2.83	3.13	3.43
1.8	1.0	2.07	2.97	3.87	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.0	1.0	3.15	4.05	4.95	1.35	3.1	2.0	0.33	3.51	3.81	4.10
4.1	1.5	4.14	5.49	6.84	1.35	3.7	2.4	0.33	3.96	4.26	4.55
4.5	2.0	4.50	6.30	8.10	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.1	1.0	2.34	3.24	4.14	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.2	1.3	2.43	3.60	4.77	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.5	1.3	2.70	3.87	5.04	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.2	0.6	2.43	2.97	3.51	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.0	1.1	3.15	4.14	5.13	1.35	2.5	1.6	0.33	3.06	3.36	3.65
1.9	1.1	2.16	3.15	4.14	1.20	1.7	1.2	0.30	2.38	2.65	2.92
5.5	2.0	5.40	7.20	9.00	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.0	1.1	3.15	4.14	5.13	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.2	0.8	2.43	3.15	3.87	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.7	1.0	2.88	3.78	4.68	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.5	1.1	2.70	3.69	4.68	1.35	2.8	1.8	0.33	3.28	3.58	3.88
4.2	2.0	4.23	6.03	7.83	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.0	1.0	2.25	3.15	4.05	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.8	0.8	0.5	2.97	3.69	4.14	1.00	22.1	20.5	0.33	2.79	3.24	3.54
3.2	0.9	3.33	4.14	4.95	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.5	1.2	3.60	4.68	5.76	1.35	2.8	1.8	0.33	3.28	3.58	3.88
5.5	2.5	5.40	7.65	9.90	1.35	3.5	2.3	0.33	3.82	4.12	4.42
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
4.8	1.6	4.77	6.21	7.65	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.8	1.0	2.97	3.87	4.77	1.35	3.5	2.3	0.33	3.82	4.12	4.42
3.0	1.0	3.15	4.05	4.95	1.35	3.1	2.0	0.33	3.51	3.81	4.10

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
Meaford.....	46	No. 60	2.6	....	....	1.0	1.76	3.56	5.36
Merlin.....	44	60	3.1	....	....	1.0	2.03	3.83	5.63
Merrickville.....	40	60	3.0	....	....	1.3	2.09	4.43	6.77
Merriton.....	43	60	3.2	....	....	1.3	2.20	4.54	6.88
Midland.....	40	60	2.5	....	....	1.1	1.75	3.73	5.71
Mildmay.....	40	60	2.5	....	....	1.0	1.71	3.51	5.31
Millbrook.....	48	60	4.6	....	....	1.0	2.84	4.64	6.44
Milton.....	45	60	3.1	....	....	1.6	2.25	5.13	8.01
Milverton.....	48	60	3.4	....	....	1.3	2.30	4.64	6.98
Mimico.....	42	60	2.7	....	....	1.2	1.89	4.05	6.21
Mitchell.....	46	60	3.6	....	....	1.4	2.45	4.97	7.49
Moorefield.....	44	60	2.5	....	....	0.9	1.67	3.29	4.91
Morrisburg.....	43	60	3.0	....	....	1.0	1.98	3.78	5.58
Mount Brydges.....	48	60	2.9	....	....	1.3	2.03	4.37	6.71
Mount Forest.....	52	60	2.8	....	....	1.0	1.87	3.67	5.47
Napanee.....	39	60	2.8	....	....	1.1	1.91	3.89	5.87
Neustadt.....	40	60	2.5	....	....	1.0	1.71	3.51	5.31
Newboro.....	40	60	4.0	....	....	1.4	2.66	5.18	7.70
Newburgh.....	40	60	4.3	....	....	1.2	2.75	4.91	7.07
Newbury.....	50	60	4.0	....	....	1.0	2.52	4.32	6.12
Newcastle.....	43	60	3.0	....	....	0.9	1.94	3.56	5.18
New Hamburg.....	43	60	3.2	....	....	1.3	2.20	4.54	6.88
†New Liskeard.....	42	..	Special	....	....	....	2.30	4.60	6.60
Newmarket.....	40	60	2.5	....	....	1.0	1.71	3.51	5.31
New Toronto.....	42	60	2.6	....	....	1.2	1.84	4.00	6.16
Niagara.....	41	60	3.0	....	....	1.4	2.12	4.64	7.16
Niagara Falls.....	40	50	3.0	1.4	....	1.0	1.98	4.32	6.12
Nipigon Twp.....	32	60	2.8	....	....	1.0	1.87	3.67	5.47
North Bay.....	42	60	2.5	....	....	1.2	1.78	3.94	6.10
North York Twp.....	43	60	2.7	....	....	1.3	1.93	4.27	6.61
Norwich.....	46	60	3.4	....	....	1.2	2.27	4.43	6.59
Norwood.....	45	50	3.9	....	....	1.1	2.25	4.23	6.21
Oakville.....	44	60	3.0	....	....	1.4	2.12	4.64	7.16
Oil Springs.....	52	60	3.0	....	....	1.0	1.98	3.78	5.58
Omeme.....	44	60	3.3	....	....	1.0	2.14	3.94	5.74
Orangeville.....	45	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Orillia.....	40	60	2.3	....	....	0.9	1.57	3.19	4.81
Orono.....	45	60	3.5	....	....	1.2	2.32	4.48	6.64
Oshawa.....	42	60	3.0	....	....	1.1	2.02	4.00	5.98
Ottawa (including Eastview and Rockcliffe Park).....	32	a) 60 60	* 2.0 1.0	....	....	* 0.5	1.74	3.02	3.92

†Local system.

See explanatory notes on pages 178 and 179.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand							First 50 or 100 hours †	Next 50 or 100 hours †	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours							
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.2	0.8	2.43	3.15	3.87	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.6	0.7	2.79	3.42	4.05	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.5	1.2	2.70	3.78	4.86	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.7	1.1	2.88	3.87	4.86	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.0	1.1	2.25	3.24	4.23	1.00	1.5	1.1	0.30	2.07	2.34	2.61
2.0	0.9	2.25	3.06	3.87	1.20	1.9	1.3	0.30	2.52	2.79	3.06
4.2	1.0	4.23	5.13	6.03	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.6	1.6	2.79	4.23	5.67	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.0	1.4	3.15	4.41	5.67	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.2	1.1	2.43	3.42	4.41	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.1	1.0	3.24	4.14	5.04	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.0	0.9	2.25	3.06	3.87	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.7	0.8	2.88	3.60	4.32	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.5	1.0	2.70	3.60	4.50	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.3	0.8	2.52	3.24	3.96	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.5	1.0	2.70	3.60	4.50	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.0	0.9	2.25	3.06	3.87	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.5	1.2	3.60	4.68	5.76	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.8	1.2	3.87	4.95	6.03	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.5	0.9	3.60	4.41	5.22	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.5	0.8	2.70	3.42	4.14	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.7	1.2	2.88	3.96	5.04	1.35	2.2	1.4	0.33	2.83	3.13	3.43
Special	3.50	4.50	5.50	....	Special	....	....	3.50	4.50	5.50
2.2	1.0	2.43	3.33	4.23	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.0	1.0	2.25	3.15	4.05	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.5	1.2	2.70	3.78	4.86	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.2	0.8	0.5	2.43	3.15	3.60	1.00	†1.5	†0.5	0.33	2.25	2.70	3.00
2.4	0.8	2.61	3.33	4.05	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.0	0.9	2.25	3.06	3.87	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.2	1.3	2.43	3.60	4.77	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.0	1.0	3.15	4.05	4.95	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.4	0.9	3.51	4.32	5.13	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.5	1.3	2.70	3.87	5.04	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.6	1.0	2.79	3.69	4.59	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.8	0.8	2.97	3.69	4.41	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.1	0.8	0.5	2.34	3.06	3.51	1.00	†1.2	†0.5	0.33	1.98	2.43	2.73
1.8	0.8	2.07	2.79	3.51	1.00	1.4	0.9	0.30	1.93	2.20	2.47
3.0	1.1	3.15	4.14	5.13	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.5	0.8	2.70	3.42	4.14	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.1	0.5	2.34	2.79	3.24	c\$1.00	1.8	1.2	0.15	1.95	2.06	2.16

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	DOMESTIC SERVICE								
	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Otterville.....	46	60	3.0	....	....	1.0	1.98	3.78	5.58
Owen Sound.....	42	60	2.4	....	....	1.1	1.69	3.67	5.65
Paisley.....	45	60	3.5	....	....	1.0	2.25	4.05	5.85
Palmerston.....	44	60	2.6	....	....	1.0	1.76	3.56	5.36
Paris.....	42	60	2.8	....	....	1.3	1.98	4.32	6.66
Parkhill.....	50	60	3.4	....	....	1.2	2.27	4.43	6.59
Parry Sound.....	42	60	2.8	....	....	1.2	1.94	4.10	6.26
Penetanguishene.....	45	60	2.5	....	....	1.1	1.75	3.73	5.71
Perth.....	37	55	2.8	....	....	1.0	1.79	3.59	5.39
Peterborough.....	40	60	2.6	....	....	1.3	1.87	4.21	6.55
Petrolia.....	50	60	3.6	....	....	1.2	2.38	4.54	6.70
†Pickle Lake Landing Townsite.....	45	60	4.4	....	....	1.7	2.99	6.05	9.11
Pictou.....	43	60	2.2	....	....	0.9	1.51	3.13	4.75
Plattsville.....	52	60	3.3	....	....	1.2	2.21	4.37	6.53
Point Edward.....	46	60	3.5	....	....	1.2	2.32	4.48	6.64
Port Arthur.....	34	60	2.0	....	....	0.8	1.37	2.81	4.25
Port Burwell.....	49	60	5.0	....	....	2.0	3.42	7.02	10.62
†Port Carling.....	50	a45	4.7	....	....	1.5	2.94	5.94	8.64
Port Colborne.....	41	60	2.8	....	....	1.2	1.94	4.10	6.26
Port Credit.....	42	60	2.7	....	....	1.3	1.93	4.27	6.61
Port Dalhousie.....	43	60	3.2	....	....	1.5	2.27	4.97	7.67
Port Dover.....	45	60	2.4	....	....	1.2	1.73	3.89	6.05
Port Elgin.....	50	60	3.5	....	....	1.3	2.36	4.70	7.04
Port Hope.....	45	60	2.6	....	....	1.3	1.87	4.21	6.55
Port McNicoll.....	48	60	3.3	....	....	1.0	2.14	3.94	5.74
Port Perry.....	52	50	4.0	....	....	1.2	2.34	4.50	6.66
Port Rowan.....	50	60	3.2	....	....	1.1	2.12	4.10	6.08
Port Stanley.....	50	60	3.0	....	....	1.1	2.02	4.00	5.98
†Powassan.....	45	b40	3.5	....	....	▲ 1.6 0.75	2.63	4.90	6.25
Prescott.....	40	60	2.9	....	....	1.3	2.03	4.37	6.71
Preston.....	40	60	3.3	....	....	1.3	2.25	4.59	6.93
Priceville.....	52	60	5.0	....	....	1.5	3.24	5.94	8.64
Princeton.....	48	60	3.0	....	....	1.0	1.98	3.78	5.58
Queenston.....	40	60	2.8	....	....	1.3	1.98	4.32	6.66
†Red Lake Townsite.....	45	60	4.4	....	....	1.7	2.99	6.05	9.11
Red Rock.....	32	60	2.6	....	....	1.1	1.80	3.78	5.76
Renfrew.....	40	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Richmond.....	54	40	4.3	....	....	1.2	2.20	4.36	6.52
Richmond Hill.....	45	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Ridgetown.....	51	60	2.9	....	....	1.1	1.96	3.94	5.92

†Local system.
See explanatory notes on pages 178 and 179.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand							First 50 or 100 hours †	Next 50 or 100 hours †	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours							
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.5	0.8	2.70	3.42	4.14	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.1	1.0	2.34	3.24	4.14	1.00	1.5	1.1	0.30	2.07	2.34	2.61
3.0	1.0	3.15	4.05	4.95	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.2	0.8	2.43	3.15	3.87	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.3	0.8	2.52	3.24	3.96	1.00	1.5	1.1	0.30	2.07	2.34	2.61
2.9	1.2	3.06	4.14	5.22	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.3	1.2	2.52	3.60	4.68	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.1	1.0	2.34	3.24	4.14	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.0	0.6	2.25	2.79	3.33	1.00	1.3	0.8	0.25	1.84	2.07	2.29
2.1	1.2	2.34	3.42	4.50	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.1	1.0	3.24	4.14	5.04	1.35	3.5	2.3	0.33	3.82	4.12	4.42
3.9	1.5	3.96	5.31	6.66	1.35	3.8	2.5	0.33	4.05	4.35	4.64
1.7	0.8	1.98	2.70	3.42	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.0	1.0	3.15	4.05	4.95	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.0	1.0	3.15	4.05	4.95	1.35	2.5	1.6	0.33	3.06	3.36	3.65
1.9	0.4	2.16	2.52	2.88	1.00	1.4	0.9	0.25	1.93	2.16	2.38
4.5	2.0	4.50	6.30	8.10	1.35	3.2	2.1	0.33	3.60	3.90	4.19
4.5	0.8	4.50	5.22	5.94	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.5	1.1	2.70	3.69	4.68	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.2	1.2	2.43	3.51	4.59	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.7	1.2	2.88	3.96	5.04	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.0	1.0	2.25	3.15	4.05	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.8	1.0	2.97	3.87	4.77	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.1	1.2	2.34	3.42	4.50	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.8	0.8	2.97	3.69	4.41	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.2	1.0	3.33	4.23	5.13	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.7	0.9	2.88	3.69	4.50	1.35	3.2	2.1	0.33	3.60	3.90	4.19
2.5	0.9	2.70	3.51	4.32	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.6	1.3	2.79	3.96	5.13	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.8	0.9	2.97	3.78	4.59	1.20	1.9	1.3	0.30	2.52	2.79	3.06
4.5	1.5	4.50	5.85	7.20	1.35	3.2	2.1	0.33	3.60	3.90	4.19
2.7	0.8	2.88	3.60	4.32	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.4	1.2	2.61	3.69	4.77	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.9	1.5	3.96	5.31	6.66	1.35	3.8	2.5	0.33	4.05	4.35	4.64
2.1	1.0	2.34	3.24	4.14	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.1	0.8	0.5	2.34	3.06	3.51	1.00	11.5	10.5	0.33	2.25	2.70	3.00
4.0	1.0	4.05	4.95	5.85	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.9	0.8	0.5	3.06	3.78	4.23	1.00	12.3	10.5	0.33	2.97	3.42	3.72
2.4	0.9	2.61	3.42	4.23	1.35	2.2	1.4	0.33	2.83	3.13	3.43

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 wkh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Ripley.....	68	55	4.8	....	....	1.0	2.78	4.58	6.38
Riverside.....	48	60	3.6	....	....	1.4	2.45	4.97	7.49
Rockland.....	33	60	4.0	....	....	1.2	2.59	4.75	6.91
Rockwood.....	48	60	3.3	....	....	1.3	2.25	4.59	6.93
Rodney.....	52	60	2.5	....	....	1.0	1.71	3.51	5.31
Rosseau.....	43	60	3.5	....	....	1.6	2.47	5.35	8.23
Russell.....	40	60	3.3	....	....	1.2	2.21	4.37	6.53
St. Catharines.....	42	60	2.7	....	....	1.5	2.00	4.70	7.40
St. Clair Beach.....	50	60	4.1	....	....	1.5	2.75	5.45	8.15
St. George.....	44	60	2.5	....	....	0.9	1.67	3.29	4.91
St. Jacobs.....	42	60	3.0	....	....	1.1	2.02	4.00	5.98
St. Mary's.....	43	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
St. Thomas.....	43	60	3.2	....	....	1.2	2.16	4.32	6.48
°Sandwich East Twp.....	43	50	4.6	2.3	1.3	1.6	3.10	6.79	9.13
°Sandwich West Twp.....	43	50	4.5	2.3	1.4	1.6	3.06	6.79	9.31
Sarnia.....	44	60	3.0	....	....	1.2	2.05	4.21	6.37
Scarborough Twp.....	43	60	2.7	....	....	1.3	1.93	4.27	6.61
Schreiber Twp.....	35	60	2.7	....	....	1.0	1.82	3.62	5.42
Seaforth.....	47	60	3.1	....	....	1.2	2.11	4.27	6.43
Shelburne.....	45	60	3.0	....	....	1.2	2.05	4.21	6.37
Simcoe.....	42	60	2.5	....	....	1.0	1.71	3.51	5.31
Sioux Lookout.....	51	60	4.0	....	....	1.5	2.70	5.40	8.10
Smith's Falls.....	38	60	2.6	....	....	1.0	1.76	3.56	5.36
Smithville.....	45	60	3.2	....	....	1.2	2.16	4.32	6.48
Southampton.....	48	50	3.2	....	....	1.1	1.93	3.91	5.89
†South Porcupine Townsite.....	42	..	Special	....	....	....	2.30	4.60	6.60
Springfield.....	49	60	3.4	....	....	0.9	2.16	3.78	5.40
Stamford Twp.....	40	60	3.2	....	....	1.4	2.23	4.75	7.27
Stayner.....	41	60	3.0	....	....	1.2	2.05	4.21	6.37
Stirling.....	40	60	2.7	....	....	1.3	1.93	4.27	6.61
Stoney Creek.....	41	60	3.7	....	....	1.4	2.50	5.02	7.54
Stouffville.....	45	60	2.6	....	....	1.1	1.80	3.78	5.76
Stratford.....	43	60	2.9	....	....	1.2	2.00	4.16	6.32
Strathroy.....	42	60	3.1	....	....	0.9	2.00	3.62	5.24
Streetsville.....	42	60	2.9	....	....	1.3	2.03	4.37	6.71
Sturgeon Falls.....	46	60	3.8	....	....	1.5	2.59	5.29	7.99
Sudbury.....	43	60	2.6	....	....	1.2	1.84	4.00	6.16
Sunderland.....	45	60	3.5	....	....	1.0	2.25	4.05	5.85
Sundridge.....	52	60	4.2	....	....	1.6	2.84	5.72	8.60
Sutton.....	48	60	2.7	....	....	1.0	1.82	3.62	5.42

†Local system.

See explanatory notes on pages 178 and 179.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand							First 50 or 100 hours †	Next 50 or 100 hours ‡	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours							
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
4.3	0.8	4.32	5.04	5.76	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.9	1.0	3.06	3.96	4.86	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.5	1.0	3.60	4.50	5.40	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.8	1.2	2.97	4.05	5.13	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.2	0.8	2.43	3.15	3.87	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.0	1.6	3.15	4.59	6.03	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.8	1.2	2.97	4.05	5.13	1.35	2.0	1.3	0.33	2.70	3.00	3.29
e2.3	1.1	2.52	3.51	4.50	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.6	1.4	3.69	4.95	6.21	1.35	3.7	2.4	0.33	3.96	4.26	4.55
2.0	0.6	2.25	2.79	3.33	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.5	1.0	2.70	3.60	4.50	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.5	0.8	0.5	2.70	3.42	3.87	1.00	†1.7	‡0.5	0.33	2.43	2.88	3.18
2.3	0.6	2.52	3.06	3.60	1.20	1.6	1.0	0.30	2.25	2.52	2.79
4.1	0.8	0.5	4.14	4.86	5.31	1.00	3.6	0.5	0.33	4.14	4.59	4.89
4.1	0.8	0.5	4.14	4.86	5.31	1.00	‡3.6	‡0.5	0.33	4.14	4.59	4.89
2.5	0.8	2.70	3.42	4.14	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.2	1.1	2.43	3.42	4.41	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.2	1.0	2.43	3.33	4.23	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.6	0.9	2.79	3.60	4.41	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.5	1.2	2.70	3.78	4.86	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.0	0.8	2.25	2.97	3.69	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.5	2.0	3.60	5.40	7.20	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.0	0.7	2.25	2.88	3.51	1.00	1.5	1.1	0.25	2.07	2.29	2.52
2.8	1.1	2.97	3.96	4.95	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.9	1.1	3.06	4.05	5.04	1.35	2.2	1.4	0.33	2.83	3.13	3.43
Special	3.50	4.50	5.50	....	Special	....	....	3.50	4.50	5.50
2.9	0.8	3.06	3.78	4.50	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.9	1.3	3.06	4.23	5.40	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.5	1.2	2.70	3.78	4.86	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.2	1.3	2.43	3.60	4.77	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.3	1.1	3.42	4.41	5.40	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.1	1.1	2.34	3.33	4.32	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.4	0.7	2.61	3.24	3.87	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.5	0.6	2.70	3.24	3.78	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.4	1.3	2.61	3.78	4.95	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.3	1.5	3.42	4.77	6.12	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	1.2	2.61	3.69	4.77	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.0	0.8	3.15	3.87	4.59	1.35	3.2	2.1	0.33	3.60	3.90	4.19
3.7	1.6	3.78	5.22	6.66	1.35	3.4	2.2	0.33	3.73	4.03	4.33
2.4	0.7	2.61	3.24	3.87	1.35	2.0	1.3	0.33	2.70	3.00	3.29

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Swansea.....	44	60	2.4	....	....	1.3	1.76	4.10	6.44
Tara.....	48	60	2.8	....	....	1.2	1.94	4.10	6.26
Tavistock.....	44	60	2.7	....	....	1.4	1.96	4.48	7.00
Tecumseh.....	49	60	3.6	....	....	1.3	2.41	4.75	7.09
Teeswater.....	60	60	3.0	....	....	1.0	1.98	3.78	5.58
Terrace Bay.....	35	60	2.7	....	....	1.0	1.82	3.62	5.42
Thamesford.....	49	60	3.6	....	....	1.5	2.48	5.18	7.88
Thamesville.....	52	60	3.5	....	....	1.3	2.36	4.70	7.04
Thedford.....	56	60	3.6	....	....	1.0	2.30	4.10	5.90
Thessalon.....	49	50	4.0	2.0	1.2	1.6	2.70	5.94	8.10
Thornbury.....	48	60	3.5	....	....	1.3	2.36	4.70	7.04
Thorndale.....	58	60	4.1	....	....	1.2	2.65	4.81	6.97
†Thornloe.....	..	..	Special	....	....	....	2.30	4.60	6.60
Thornton.....	62	60	3.8	....	....	1.0	2.41	4.21	6.01
Thorold.....	40	60	2.7	....	....	1.4	1.96	4.48	7.00
Tilbury.....	51	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Tillsonburg.....	43	60	3.2	....	....	1.2	2.16	4.32	6.48
†Timmins (including Schumacher).....	42	..	Special	....	....	....	2.30	4.60	6.60
Toronto (including Leaside)...	**	60	2.0	....	....	1.4	1.58	4.10	6.62
Toronto Twp.....	42	60	3.0	....	....	1.6	2.20	5.08	7.96
Tottenham.....	44	50	3.5	....	....	1.0	2.25	4.05	5.85
Trafalgar Twp.....	43	60	3.8	....	....	2.0	2.77	6.37	9.97
Trenton.....	33	60	1.8	....	....	0.8	1.26	2.70	4.14
Tweed.....	42	60	2.5	....	....	0.9	1.67	3.29	4.91
Uxbridge.....	55	60	3.1	....	....	1.0	2.03	3.83	5.63
Vankleek Hill.....	41	60	4.5	....	....	1.5	2.97	5.67	8.37
Victoria Harbour.....	49	60	3.2	....	....	1.3	2.20	4.54	6.88
Walkerton.....	40	50	3.2	....	....	1.1	1.94	3.92	5.90
Wallaceburg.....	48	60	3.1	....	....	1.2	2.11	4.27	6.43
Wardsville.....	52	60	3.6	....	....	0.9	2.27	3.89	5.51
Warkworth.....	52	50	3.5	....	....	1.2	2.12	4.28	6.44
Wasaga Beach.....	42	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Waterdown.....	42	60	2.6	....	....	1.2	1.84	4.00	6.16
Waterford.....	44	60	2.5	....	....	1.1	1.75	3.73	5.71
Waterloo.....	42	60	2.6	....	....	1.1	1.80	3.78	5.76
Watford.....	46	60	3.1	....	....	1.1	2.07	4.05	6.03
Waubashene.....	45	60	3.2	....	....	1.2	2.16	4.32	6.48
Webbwood.....	52	60	6.0	....	....	2.5	4.14	8.64	13.14
Welland.....	42	60	2.4	....	....	1.1	1.69	3.67	5.65
Wellesley.....	45	60	3.3	....	....	1.3	2.25	4.59	6.93

†Local system.

See explanatory notes on pages 178 and 179.

Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand												
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 or 100 hours	Next 50 or 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.0	1.3	2.25	3.42	4.59	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.4	1.0	2.61	3.51	4.41	1.35	2.9	1.9	0.33	3.37	3.67	3.97
2.3	1.4	2.52	3.78	5.04	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.1	1.0	3.24	4.14	5.04	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.6	0.8	2.79	3.51	4.23	1.35	3.4	2.2	0.33	3.73	4.03	4.33
2.2	1.0	2.43	3.33	4.23	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.1	1.4	3.24	4.50	5.76	1.35	2.9	1.9	0.33	3.37	3.67	3.97
3.0	1.0	3.15	4.05	4.95	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.2	0.7	3.33	3.96	4.59	1.35	2.5	1.6	0.33	3.06	3.36	3.65
4.0	0.8	0.5	4.05	4.77	5.22	1.00	‡3.2	‡0.5	0.33	3.78	4.23	4.53
3.1	1.3	3.24	4.41	5.58	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.7	1.0	3.78	4.68	5.58	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Special	3.50	4.50	5.50	....	Special	....	....	3.50	4.50	5.50
3.3	1.0	3.42	4.32	5.22	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.2	1.2	2.43	3.51	4.59	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.6	0.8	0.5	2.79	3.51	3.96	1.00	‡1.9	‡0.5	0.33	2.61	3.06	3.36
2.7	1.0	2.88	3.78	4.68	1.20	2.1	1.4	0.30	2.65	2.92	3.19
Special	3.50	4.50	5.50	....	Special	....	....	3.50	4.50	5.50
d2.1	0.7	2.65	3.28	3.91	{ 1.10 1.50	{ 2.1 3.0	{ 1.4 1.2	{ 0.38 0.60	{ 2.56 3.24	2.91	3.25 4.32
2.5	1.6	2.70	4.14	5.58	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.0	1.0	3.15	4.05	4.95	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.3	1.9	3.42	5.13	6.84	1.35	2.8	1.8	0.33	3.28	3.58	3.88
1.6	0.6	1.89	2.43	2.97	1.00	1.5	1.1	0.25	2.07	2.29	2.52
2.1	0.9	2.34	3.15	3.96	1.20	1.9	1.3	0.33	2.52	2.82	3.11
2.7	0.8	2.88	3.60	4.32	1.35	2.2	1.4	0.33	2.83	3.13	3.43
4.0	1.5	4.05	5.40	6.75	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.7	1.3	2.88	4.05	5.22	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	0.9	2.61	3.42	4.23	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.6	0.9	2.79	3.60	4.41	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.2	0.8	3.33	4.05	4.77	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.0	1.0	3.15	4.05	4.95	1.35	3.1	2.0	0.33	3.51	3.81	4.10
3.0	0.8	0.5	3.15	3.87	4.32	1.00	‡2.5	‡0.5	0.33	3.15	3.60	3.90
2.2	1.2	2.43	3.51	4.59	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.0	0.9	2.25	3.06	3.87	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.2	1.0	2.43	3.33	4.23	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.8	0.9	2.97	3.78	4.59	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.6	1.2	2.79	3.87	4.95	1.35	3.2	2.1	0.33	3.60	3.90	4.19
5.5	2.5	5.40	7.65	9.90	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.1	1.0	2.34	3.24	4.14	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.8	1.2	2.97	4.05	5.13	1.35	2.0	1.3	0.33	2.70	3.00	3.29

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Wellington.....	48	60	2.5	....	....	0.9	1.67	3.29	4.91
West Ferris Twp.....	46	60	3.8	....	....	1.5	2.59	5.29	7.99
West Lorne.....	52	60	3.3	....	....	1.2	2.21	4.37	6.53
Weston.....	43	60	2.5	....	....	1.2	1.78	3.94	6.10
Westport.....	40	60	3.0	....	....	1.0	1.98	3.78	5.58
Wheatley.....	53	60	3.3	....	....	1.2	2.21	4.37	6.53
Whitby.....	41	60	2.7	....	....	1.2	1.89	4.05	6.21
Warton.....	47	60	2.5	....	....	0.9	1.67	3.29	4.91
Williamsburg.....	40	60	2.0	....	....	0.8	1.37	2.81	4.25
Winchester.....	42	60	2.5	....	....	1.2	1.78	3.94	6.10
Windermere.....	66	60	4.0	....	....	1.5	2.70	5.40	8.10
Windsor.....	43	50	2.5	1.4	0.8	1.2	1.75	4.00	5.44
Wingham.....	45	60	2.6	....	....	1.0	1.76	3.56	5.36
Woodbridge.....	44	60	2.8	....	....	1.2	1.94	4.10	6.26
Woodstock.....	43	60	3.3	....	....	1.2	2.21	4.37	6.53
Woodville.....	48	60	3.8	....	....	1.2	2.48	4.64	6.80
Wyoming.....	50	60	3.4	....	....	1.0	2.20	4.00	5.80
York Twp.....	42	60	2.3	....	....	1.1	1.64	3.62	5.60
Zurich.....	51	60	3.7	....	....	1.2	2.43	4.59	6.75

NOTES

Service Charges

- 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.
- 56¢ per month.
- \$1.00 per hp.
- Demand rate 8.5¢ per 100 watts, minimum 50¢.
- Minimum demand charge 25¢.
- Direct-current service \$1.50 per kw per month for first 7½ kw plus \$1.05 per kw for all additional demand.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1956

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand												
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 or 100 hours†	Next 50 or 100 hours†	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.3	0.7	2.52	3.15	3.78	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.3	1.2	3.42	4.50	5.58	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.8	1.2	2.97	4.05	5.13	1.35	2.9	1.9	0.33	3.37	3.67	3.97
2.0	1.0	2.25	3.15	4.05	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.5	1.0	2.70	3.60	4.50	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.9	1.2	3.06	4.14	5.22	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.3	1.0	2.52	3.42	4.32	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.0	0.9	2.25	3.06	3.87	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.0	0.8	2.25	2.97	3.69	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.0	1.1	2.25	3.24	4.23	1.35	2.0	1.3	0.33	2.70	3.00	3.29
4.0	1.5	4.05	5.40	6.75	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.5	0.8	0.5	2.70	3.42	3.87	1.00	1.8	1.0	0.33	2.52	2.97	3.27
2.1	1.0	2.34	3.24	4.14	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.3	1.2	2.52	3.60	4.68	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.5	1.0	2.70	3.60	4.50	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.2	1.2	3.33	4.41	5.49	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.9	0.7	3.06	3.69	4.32	1.35	3.2	2.1	0.33	3.60	3.90	4.19
2.1	1.0	2.34	3.24	4.14	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.4	0.9	3.51	4.32	5.13	1.35	3.1	2.0	0.33	3.51	3.81	4.10

NOTES

Special Rates or Discounts

▲ 2-wire service next 80 kwh; 3-wire service next 180 kwh.

§ Local discount 15 and 10 per cent.

* First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢.

** Flat-rate water-heater service—Toronto:

System-owned—First 400 watts \$2.90 per month.

Each 100 watts additional 40¢ per month, plus a monthly charge for larger tank sizes as follows:

30¢ for 1,000-watt and 1,200-watt heaters.

40¢ for 1,500-watt heaters.

50¢ for 2,000-watt and 2,500-watt heaters.

55¢ for heaters 3,000 watts and over.

Customer-owned—First 400 watts \$1.98 per month.

Each 100 watts additional 40¢ per month.

° Commercial customers with a connected load of under 5 kilowatts billed at domestic rates.

°° Farm customers billed at standard rural rates.

† New rate structure allows for 100 hours' use at each of first and second rates.

Municipal Electrical CUSTOMERS, REVENUE, for the Year Ended MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Ancaster Twp.....	10,794	959	76,091.63	5,970,060	891	558	1.27
Barrie.....	18,028	5,517	301,521.32	30,506,835	4,789	531	0.99
Belleville.....	20,673	7,026	301,962.52	38,384,669	5,903	542	0.79
Brampton.....	13,009	3,925	232,208.59	20,195,479	3,439	489	1.15
Brantford.....	51,101	16,589	765,661.75	69,053,775	14,383	400	1.11
Brockville.....	14,810	4,686	210,862.12	20,345,745	4,058	418	1.04
Chatham.....	22,658	7,403	293,237.54	15,854,899	6,157	215	1.85
East York Twp.....	68,529	20,328	1,221,470.74	111,336,739	19,189	484	1.10
Etobicoke Twp.....	99,637	35,248	2,340,246.93	205,168,124	32,626	524	1.14
Forest Hill.....	19,568	6,655	511,251.73	43,477,724	5,973	607	1.18
Fort William.....	39,438	12,113	608,940.51	84,298,720	10,502	669	0.72
Galt.....	23,585	7,821	395,217.29	32,997,513	6,890	399	1.20
Guelph.....	33,327	10,454	575,301.41	50,931,241	9,313	456	1.13
Hamilton.....	234,234	71,909	3,250,512.72	285,724,598	62,962	378	1.14
Kingston.....	45,625	13,632	731,396.69	79,404,303	11,998	552	0.92
†Kirkland Lake (including Swastika) ..	\$19,390	5,648	244,496.32	16,583,293	4,520	306	1.47
Kitchener.....	59,354	19,008	1,130,209.16	99,532,849	17,043	487	1.14
London.....	101,086	30,373	1,449,251.39	119,234,892	27,284	364	1.22
London Twp.....	30,815	968	61,647.61	4,565,230	933	408	1.35
Mimico.....	13,309	4,630	237,582.58	21,613,224	4,230	426	1.10
●Niagara Falls.....	23,818	7,403	381,686.12	31,905,045	6,811	390	1.20
North Bay.....	21,689	6,448	354,898.38	31,432,808	5,390	486	1.13
North York Twp.....	165,544	52,849	3,640,386.19	314,148,200	48,809	536	1.16
Orillia.....	13,583	4,928	212,737.17	21,299,706	4,166	426	1.00
Oshawa.....	49,709	15,454	887,901.56	86,877,660	13,924	520	1.02
Ottawa (including Eastview and Rockcliffe Park).....	241,374	73,487	3,345,598.95	435,255,811	63,786	569	0.77
Owen Sound.....	17,436	5,814	261,658.18	23,270,554	4,994	388	1.12
Peterborough.....	41,908	13,572	720,267.03	74,109,937	12,004	514	0.97
Port Arthur.....	37,426	11,911	562,784.04	65,704,440	10,413	526	0.86
Port Colborne.....	14,222	4,364	155,957.22	11,690,390	3,786	257	1.33
Riverside.....	13,726	4,421	242,559.75	15,579,659	4,213	308	1.56
St. Catharines.....	40,147	13,571	682,780.03	54,656,389	11,819	385	1.25
St. Thomas.....	19,017	6,670	321,266.22	26,326,528	5,844	375	1.22
●*Sandwich East Twp.....	20,537	5,439	58,668.09	2,441,410	5,240	233	2.40
●*xSandwich West Twp.....	19,630	5,775	287,347.90	13,563,801	5,388	280	2.12
Sarnia.....	43,602	13,550	627,399.65	46,299,769	12,112	319	1.36
Scarborough Twp.....	131,709	44,049	2,938,800.23	236,221,903	41,011	480	1.24
Stamford Twp.....	25,891	7,447	488,035.51	42,819,773	6,963	512	1.14
Stratford.....	19,991	6,709	383,202.13	33,351,804	5,909	470	1.15
Sudbury.....	47,245	15,116	899,283.13	78,617,813	13,355	491	1.14
†Timmins (including Schumacher)...	\$30,350	9,122	416,372.40	28,727,988	7,812	306	1.45
Toronto (including Lease).....	660,381	199,797	10,762,278.52	877,132,240	164,279	445	1.23
Toronto Twp.....	46,063	12,020	966,672.98	70,211,228	10,976	533	1.38
Trafalgar Twp.....	14,759	3,651	315,903.67	19,968,630	3,497	476	1.58
Trenton.....	11,380	3,631	152,304.75	18,999,451	3,161	501	0.80
Waterloo.....	16,299	5,357	313,220.29	29,868,380	4,873	511	1.05
Welland.....	16,661	5,017	165,748.93	13,709,938	4,278	267	1.21
●Windsor.....	119,330	36,951	1,525,765.12	121,151,151	33,935	298	1.26
Woodstock.....	17,808	6,210	334,861.35	28,779,998	5,389	445	1.16
York Twp.....	113,368	35,113	1,861,847.11	173,521,935	33,817	428	1.07

†Local system

●New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

*2 months' operation

x9 months' operation

\$Estimated

**Utilities and Local Systems
AND CONSUMPTION
December 31, 1956
Population 10,000 or more**

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Ave- rage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
13,502.35	513,625	60	713	2.63	2,733.61	153,020	8	74	1,594	1.79
141,132.37	10,038,792	636	1,315	1.41	131,188.16	15,146,459	92	5,202	13,720	0.87
175,868.27	15,241,175	969	1,311	1.15	126,007.97	15,000,411	154	5,402	8,117	0.84
86,370.87	5,350,970	394	1,132	1.61	89,903.64	8,094,198	92	3,090	7,332	1.11
295,330.82	23,193,351	1,890	1,023	1.27	732,136.19	76,361,631	316	26,776	20,138	0.96
82,208.25	6,380,388	543	979	1.29	233,342.64	28,485,422	85	7,850	27,927	0.82
329,369.99	15,621,861	1,055	1,234	2.11	391,789.77	30,229,008	191	10,750	13,189	1.30
216,467.41	15,598,601	977	1,330	1.39	291,633.20	30,363,596	162	9,449	15,619	0.96
546,723.76	37,109,316	2,120	1,459	1.47	955,849.50	114,279,074	502	30,739	18,971	0.84
147,769.18	9,281,710	602	1,285	1.59	25,292.49	2,004,420	80	905	2,088	1.26
291,443.15	29,079,830	1,383	1,752	1.00	496,063.67	59,336,782	228	20,187	21,687	0.84
160,254.68	9,039,493	736	1,023	1.77	413,591.67	40,062,432	195	13,716	17,121	1.03
215,559.95	14,448,740	939	1,282	1.49	407,122.90	47,369,184	202	14,196	19,542	0.86
1,651,300.50	129,784,334	7,546	1,433	1.27	7,092,469.74	1,043,077,061	1,401	216,006	62,044	0.68
483,882.68	42,096,372	1,404	2,499	1.15	332,985.73	33,829,070	230	11,371	12,257	0.98
138,470.35	9,186,683	995	769	1.51	57,728.13	4,286,129	133	1,631	2,686	1.35
502,935.30	31,304,601	1,602	1,628	1.61	1,169,120.01	116,331,822	363	32,934	26,706	1.00
737,222.78	53,002,040	2,669	1,655	1.39	1,151,431.89	132,577,142	420	37,932	26,305	0.87
7,398.42	358,570	30	996	2.06	9,298.80	766,509	5	215	12,775	1.21
84,719.20	5,456,903	338	1,345	1.55	62,514.47	4,747,588	62	2,096	6,381	1.32
274,326.85	21,856,670	538	3,385	1.26	234,220.25	23,546,083	54	7,269	36,337	0.99
197,221.49	14,470,556	933	1,292	1.36	109,985.16	9,625,854	125	3,341	6,417	1.14
1,222,535.35	72,167,244	3,420	1,758	1.69	978,179.58	92,405,124	620	32,246	12,420	1.06
127,921.41	9,551,860	626	1,272	1.34	275,670.19	28,693,774	136	10,784	17,582	0.96
321,685.31	20,138,211	1,315	1,276	1.60	1,057,595.98	122,577,315	215	31,722	47,511	0.86
3,055,343.36	259,921,885	8,708	2,487	1.18	747,841.26	77,645,106	993	31,097	6,516	0.96
145,990.18	9,095,391	686	1,105	1.61	146,165.96	13,437,745	134	5,732	8,357	1.09
338,651.82	21,626,627	1,342	1,343	1.57	524,085.88	64,758,862	226	17,759	23,879	0.81
291,587.75	25,878,526	1,319	1,635	1.13	592,065.38	70,663,644	179	24,511	32,897	0.84
87,304.99	4,769,040	511	778	1.83	78,682.98	8,158,646	67	2,400	10,148	0.96
39,035.19	2,050,292	181	944	1.90	35,391.02	1,709,550	27	977	5,276	2.07
378,645.05	21,897,695	1,482	1,231	1.73	982,054.40	99,069,936	270	29,224	30,577	0.99
145,025.88	10,304,411	723	1,188	1.41	229,142.50	25,188,868	103	7,449	20,379	0.91
11,777.92	519,386	160	1,623	2.27	16,007.50	621,556	39	1,745	7,969	2.58
78,892.95	3,366,147	345	1,084	2.34	48,648.74	2,271,805	42	1,460	6,010	2.14
314,788.48	20,175,947	1,295	1,298	1.56	1,038,707.64	136,297,145	143	22,185	79,427	0.76
683,537.69	42,594,256	2,623	1,353	1.60	1,133,013.65	116,304,866	415	31,893	23,354	0.97
134,545.16	6,160,203	419	1,225	2.18	115,788.52	10,539,074	65	3,585	13,512	1.10
141,455.01	9,113,348	642	1,183	1.55	192,563.35	19,331,853	158	6,603	10,196	1.00
453,625.73	26,115,471	1,569	1,387	1.74	138,425.92	10,968,634	192	4,120	4,761	1.26
201,585.08	12,429,312	1,162	891	1.62	57,557.29	2,712,175	148	1,656	1,527	2.12
8,220,129.23	546,756,600	28,862	1,579	1.50	12,598,741.84	1,246,020,995	6,656	344,577	15,600	1.01
293,421.82	14,552,604	888	1,366	2.02	710,139.90	82,355,976	156	16,277	43,994	0.86
36,212.91	1,384,171	127	908	2.62	30,057.76	1,914,077	27	769	5,908	1.57
61,745.00	5,323,649	389	1,140	1.16	208,712.20	29,929,811	81	7,206	30,792	0.70
101,424.78	6,245,063	382	1,362	1.62	226,101.70	20,194,115	102	6,661	16,498	1.12
139,551.03	8,968,070	618	1,209	1.56	361,471.17	37,336,560	121	10,697	25,714	0.97
788,154.86	54,435,161	2,292	1,979	1.45	2,092,373.97	189,682,221	724	50,449	21,833	1.10
174,681.88	9,934,723	684	1,210	1.76	325,952.41	35,423,065	137	10,200	21,547	0.92
531,175.19	34,616,183	908	3,177	1.53	608,656.91	53,367,681	388	19,031	11,462	1.14

Municipal Electrical CUSTOMERS, REVENUE, for the Year Ended MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Acton.....	3,728	1,254	68,899.05	5,745,510	1,094	438	1.20
Ajax.....	5,777	1,680	55,440.57	4,301,649	1,467	430	1.32
†Ajax.....			44,131.94	3,264,450			
Alexandria.....	2,412	807	28,597.95	2,397,509	643	311	1.19
Alliston.....	2,836	939	41,636.32	3,705,761	766	403	1.12
Almonte.....	2,819	990	37,802.54	4,002,954	840	397	0.94
Amherstburg.....	4,090	1,335	81,543.66	6,290,487	1,114	471	1.30
Arnprior.....	5,375	1,549	73,560.25	6,486,023	1,336	405	1.13
●Atikokan Twp.....	5,957	1,696	132,074.94	8,266,118	1,420	485	1.60
Aurora.....	3,858	1,446	74,238.80	7,265,706	1,220	496	1.02
Aylmer.....	4,258	1,487	59,695.60	5,485,106	1,228	372	1.09
Bancroft.....	2,200	528	21,731.62	1,349,340	423	266	1.61
Beamsville.....	2,111	770	43,189.96	4,046,046	651	518	1.07
Blenheim.....	2,769	1,038	27,984.89	1,717,550	836	171	1.63
†Blind River.....	3,224	944	44,407.63	2,315,105	757	255	1.92
Bowmanville.....	6,634	2,280	109,827.71	9,774,369	2,013	405	1.12
Bracebridge.....	2,810	1,226	55,990.04	3,930,759	993	330	1.42
Bradford.....	2,068	709	30,971.88	2,526,550	547	385	1.23
Brantford Twp.....	6,156	1,753	94,552.19	4,738,775	1,559	253	2.00
Brighton.....	2,258	918	40,689.75	3,092,905	751	343	1.32
Bronte.....	2,056	632	35,245.35	2,439,224	568	358	1.44
Burlington.....	9,165	3,276	194,762.84	17,720,269	2,885	512	1.10
†Burlington Beach.....	3,327	932	45,830.85	3,578,713	831	359	1.28
Caledonia.....	2,061	761	23,573.75	1,707,023	617	231	1.38
Capreol.....	2,356	769	49,869.50	3,323,026	691	401	1.50
Carleton Place.....	4,674	1,650	64,943.91	6,169,809	1,405	366	1.05
Chapleau Twp.....	3,364	898	59,653.70	1,309,169	761	143	4.56
Chippawa.....	2,033	686	34,411.08	2,934,208	621	394	1.17
Clinton.....	2,902	1,108	58,489.04	4,538,749	900	420	1.29
†Cobalt.....	2,321	746	35,301.29	2,010,783	617	272	1.76
Cobourg.....	8,346	2,980	172,154.19	14,449,791	2,583	466	1.19
Cochrane.....	3,800	1,169	71,523.26	5,571,614	946	491	1.28
Collingwood.....	7,762	2,770	108,696.80	8,761,798	2,356	310	1.24
●*Coniston.....	2,470	589	10,114.96	680,544	572	297	1.49
Delhi.....	3,018	1,214	44,142.63	3,522,042	955	307	1.25
Dresden.....	2,210	875	23,548.44	1,290,000	683	157	1.83
Dryden.....	4,588	1,426	93,866.72	7,139,414	1,222	487	1.31
Dundas.....	9,657	3,121	154,031.33	12,957,137	2,763	391	1.19
Dunnville.....	4,902	1,794	53,265.95	3,671,156	1,481	207	1.45
Elmira.....	2,821	1,040	49,824.07	4,592,986	862	444	1.08
Essex.....	3,368	1,121	37,279.77	2,482,280	909	228	1.50

†Local system

●New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

*4 months' operation

‡5 months' operation as local system

Utilities and Local Systems

AND CONSUMPTION

December 31, 1956

Population 2,000 to 9,999

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
26,381.89	1,280,458	132	808	2.06	91,107.17	7,245,289	28	2,401	21,563	1.26
26,276.89	1,138,737	161	1,015	2.24	76,141.83	5,701,221	52	3,435	14,510	1.34
17,597.61	822,018	.....	.....	.....	44,732.60	3,352,745	.....	.....	.....	.....
19,458.96	1,190,116	144	689	1.64	20,078.78	1,022,509	20	575	4,260	1.96
20,606.68	1,190,752	147	675	1.73	10,757.14	676,292	26	395	2,168	1.59
14,170.51	858,276	124	577	1.65	26,533.10	2,963,768	26	922	9,499	0.90
34,445.29	1,989,325	190	873	1.73	50,868.01	4,021,330	31	1,250	10,810	1.26
40,877.03	2,391,101	180	1,107	1.71	51,676.48	4,883,721	33	1,784	12,333	1.06
65,754.27	2,857,069	254	937	2.30	14,772.42	842,534	22	405	3,191	1.75
36,691.30	2,522,132	190	1,106	1.45	41,453.95	3,332,760	36	1,400	7,715	1.24
36,733.78	2,609,500	226	962	1.41	53,124.22	4,669,114	33	1,751	11,791	1.14
15,795.84	665,400	100	555	2.37	2,908.60	107,180	5	121	1,786	2.71
17,514.08	1,074,563	104	861	1.63	6,980.27	391,220	15	253	2,173	1.78
30,654.26	1,598,103	181	736	1.92	23,220.91	1,064,150	21	683	4,223	2.18
38,785.41	1,727,504	175	823	2.25	13,414.93	735,351	12	304	5,107	1.82
35,448.03	2,073,024	230	751	1.71	87,337.05	10,362,122	37	2,777	23,338	0.84
42,478.85	2,883,086	213	1,128	1.47	10,547.85	591,550	20	421	2,465	1.78
21,900.68	968,557	132	611	2.26	20,699.05	1,393,393	30	579	3,871	1.49
27,273.67	1,233,699	167	616	2.21	35,822.39	1,651,722	27	857	5,098	2.17
20,794.19	962,593	155	518	2.16	7,204.22	501,830	12	267	3,485	1.44
9,108.02	439,310	57	642	2.07	2,631.54	170,841	7	98	2,034	1.54
100,368.81	5,586,998	350	1,330	1.80	44,729.37	2,795,544	41	1,138	5,682	1.60
17,054.72	906,019	95	795	1.88	2,635.52	37,941	6	99	527	6.95
16,037.53	1,025,833	123	695	1.56	11,278.25	685,052	21	331	2,718	1.65
10,191.66	611,470	75	679	1.67	14,243.32	1,493,300	3	295	41,481	0.95
27,469.49	1,510,743	220	572	1.82	37,236.28	3,875,754	25	1,339	12,919	0.96
23,805.89	404,745	120	281	5.88	11,013.53	355,353	17	133	1,742	3.10
7,899.62	407,800	62	548	1.94	1,329.94	58,915	3	53	1,637	2.26
30,054.52	1,522,927	181	701	1.97	22,209.39	1,367,081	27	583	4,219	1.62
25,077.84	1,013,701	118	716	2.47	8,218.10	737,134	11	232	5,584	1.11
77,587.24	4,367,478	333	1,093	1.78	136,275.20	13,670,263	64	3,961	17,800	1.00
51,814.13	2,832,377	198	1,192	1.83	16,713.73	1,176,891	25	492	3,923	1.42
58,517.57	3,557,117	349	849	1.65	72,768.95	6,064,139	65	2,719	7,775	1.20
2,577.52	150,948	16	2,359	1.71	122.22	3,600	1	15	900	3.40
37,235.81	2,018,888	221	761	1.84	28,788.35	1,621,715	38	917	3,556	1.78
27,139.85	1,362,550	168	676	1.99	23,066.25	1,183,727	24	708	4,110	1.95
65,409.69	2,627,290	180	1,216	2.49	6,843.28	383,350	24	220	1,331	1.78
64,786.04	3,642,505	292	1,040	1.78	88,281.61	7,492,439	66	3,236	9,460	1.18
50,202.06	2,584,663	277	778	1.94	80,337.62	6,408,012	36	2,063	14,833	1.25
28,402.57	1,627,653	150	904	1.75	61,568.18	5,669,322	28	1,780	16,873	1.09
31,126.43	1,842,766	183	839	1.69	20,925.57	1,172,324	29	710	3,369	1.78

Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES

MUNICIPALITY	Popu- lation	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Exeter.....	2,568	1,090	58,496.06	4,335,908	892	405	1.35
Fergus.....	3,581	1,254	73,369.11	5,259,390	1,081	405	1.40
Forest.....	2,000	836	37,909.08	3,323,480	672	412	1.14
Georgetown.....	6,257	2,242	144,440.44	11,318,933	2,006	470	1.28
†Geraldton.....	3,255	990	48,982.40	2,550,069	827	257	1.92
Goderich.....	5,884	2,177	119,340.11	8,458,250	1,825	386	1.41
Gravenhurst.....	3,030	1,271	47,578.70	4,600,828	1,052	364	1.03
Grimsby.....	4,004	1,494	55,647.92	4,934,363	1,236	333	1.13
†Haileybury.....	2,306	795	43,513.96	3,265,588	642	424	1.33
Hanover.....	3,981	1,412	60,368.02	5,607,999	1,199	390	1.08
Hawkesbury.....	8,104	2,018	94,337.60	5,088,656	1,759	241	1.85
●Hearst.....	2,276	703	42,563.71	1,653,121	628	.....	.....
Hespeler.....	3,945	1,272	57,126.35	4,648,278	1,115	347	1.23
Huntsville.....	3,195	1,178	52,956.85	4,912,732	955	429	1.08
Ingersoll.....	6,955	2,274	102,046.79	6,836,590	1,976	288	1.49
●Kapuskasing.....	5,729	1,608	96,854.14	6,795,950	1,445	.....	.....
Kincardine.....	2,631	1,098	39,809.22	3,414,741	924	308	1.17
Kingsville.....	2,966	1,175	46,497.38	3,185,687	942	282	1.46
La Salle.....	2,798	781	58,500.71	3,358,001	726	385	1.74
Leamington.....	8,188	2,922	99,978.42	7,400,560	2,437	253	1.35
Lindsay.....	9,966	3,577	186,581.94	14,528,971	3,015	402	1.28
Listowel.....	3,340	1,376	65,429.12	4,905,665	1,134	360	1.33
Long Branch.....	9,898	3,602	182,450.29	17,528,701	3,236	451	1.04
●Markham.....	3,191	1,056	63,226.55	5,002,508	921	453	1.26
†Mattawa.....	3,143	741	39,597.33	2,172,687	629	288	1.82
McGarry.....	2,690	442	26,947.60	2,103,398	385	455	1.28
Meaford.....	3,492	1,438	54,117.95	4,801,415	1,214	330	1.13
Merritton.....	5,375	1,580	83,825.00	6,912,583	1,445	399	1.21
Midland.....	8,115	2,586	122,532.85	10,316,855	2,235	385	1.19
Milton.....	4,315	1,490	94,867.56	7,309,605	1,301	468	1.30
Mitchell.....	2,119	859	44,323.07	3,357,489	695	403	1.32
Morrisburg.....	2,157	844	31,943.68	2,770,393	643	359	1.15
Mount Forest.....	2,424	911	34,316.80	2,850,008	716	332	1.20
Napanee.....	4,232	1,621	71,577.87	6,697,639	1,328	420	1.07
†New Liskeard.....	4,270	1,448	81,401.51	6,043,276	1,186	425	1.35
Newmarket.....	7,420	2,392	125,132.74	11,568,740	2,090	461	1.08
New Toronto.....	9,878	3,158	169,113.55	14,855,715	2,709	457	1.14
Niagara.....	2,600	1,027	62,648.87	5,730,922	894	534	1.09
Nipigon Twp.....	2,410	641	28,173.86	2,365,677	530	372	1.19
Oakville.....	9,995	3,411	168,722.69	13,602,337	2,794	406	1.24

†Local system

●New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

Utilities and Local Systems

AND CONSUMPTION

December 31, 1956

Population 2,000 to 9,999—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
24,632.57	1,349,367	169	665	1.83	18,494.32	966,774	29	650	2,778	1.91
29,274.54	1,438,299	150	799	2.04	52,395.84	3,970,135	23	1,535	14,385	1.32
20,063.14	1,054,205	141	623	1.90	11,421.82	924,944	23	373	3,351	1.23
38,815.53	1,967,409	201	816	1.97	94,037.46	8,942,479	35	2,578	21,292	1.05
40,557.05	1,674,007	149	936	2.42	4,290.17	326,152	14	110	1,941	1.32
49,591.94	2,310,883	298	646	2.15	93,778.44	5,423,959	54	2,499	8,370	1.73
31,197.97	2,497,956	190	1,096	1.25	35,116.76	3,325,454	29	1,254	9,556	1.06
38,231.32	2,478,657	231	894	1.54	22,621.08	2,056,100	27	716	6,346	1.10
26,103.84	1,096,005	130	703	2.38	10,131.17	707,843	23	322	2,565	1.43
23,728.23	1,472,635	177	693	1.61	46,615.12	4,049,424	36	1,773	9,374	1.15
70,399.28	2,936,172	233	1,050	2.40	9,681.03	623,468	26	245	1,998	1.55
39,223.28	1,080,769	66	.....	.....	5,537.97	367,147	9	92	.....	.....
19,392.60	1,009,914	126	668	1.92	168,677.67	18,434,516	31	5,313	49,555	0.92
43,518.75	2,621,231	194	1,126	1.66	30,303.81	3,131,459	29	1,038	8,998	0.97
52,303.65	2,901,595	250	967	1.80	103,651.22	9,232,378	48	3,106	16,028	1.12
73,115.67	3,620,718	137	.....	.....	7,816.36	372,290	26	322	.....	.....
21,880.02	1,089,418	151	601	2.01	37,528.55	2,511,210	23	1,070	9,099	1.49
31,063.71	1,662,642	205	676	1.87	29,052.62	1,520,497	28	1,053	4,525	1.91
13,923.47	508,298	51	831	2.74	1,159.22	46,989	4	23	979	2.47
70,927.43	4,227,952	419	841	1.68	86,414.37	8,505,318	66	2,271	10,739	1.02
99,968.29	5,384,628	476	943	1.86	99,514.70	10,630,321	86	3,039	10,301	0.94
39,551.70	1,933,252	208	775	2.05	41,273.08	2,633,089	34	1,247	6,454	1.57
54,939.43	3,782,439	325	970	1.45	63,159.42	5,175,850	41	2,147	10,520	1.22
20,685.55	893,245	117	636	2.32	10,187.70	400,821	18	461	1,856	2.54
34,354.58	1,241,097	106	976	2.77	13,074.06	900,180	6	327	12,503	1.45
13,903.43	725,522	54	1,120	1.92	2,039.33	125,396	3	44	3,483	1.63
26,957.26	1,806,098	191	788	1.49	30,092.69	1,955,356	33	930	4,938	1.54
24,493.82	1,170,043	114	855	2.09	555,592.67	76,342,081	21	14,378	302,945	0.73
57,546.10	3,529,997	296	994	1.63	111,231.47	10,289,449	55	4,542	15,590	1.08
32,983.15	1,558,956	162	802	2.12	81,265.91	5,960,757	27	2,112	18,397	1.36
19,329.77	994,733	138	601	1.94	24,887.80	1,483,898	26	673	4,756	1.68
20,281.80	1,286,575	167	642	1.58	11,164.62	796,298	34	385	1,952	1.40
24,023.94	1,438,457	170	705	1.67	15,934.42	920,374	25	513	3,068	1.73
49,732.87	2,897,694	262	922	1.72	29,400.14	2,325,227	31	1,074	6,251	1.26
47,547.61	2,681,531	231	967	1.77	50,959.22	3,054,217	31	1,119	8,210	1.67
65,886.84	4,069,470	264	1,285	1.62	39,868.28	2,992,931	38	1,318	6,563	1.33
100,873.46	7,202,143	375	1,600	1.40	494,078.50	64,080,997	74	15,238	72,163	0.77
22,349.68	1,284,187	119	899	1.74	6,963.01	351,417	14	240	2,092	1.98
22,559.15	1,859,394	106	1,462	1.21	1,917.84	166,795	5	66	2,780	1.15
128,034.57	6,981,884	520	1,119	1.83	157,289.84	15,554,653	97	5,087	13,363	1.01

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
●Orangeville.....	3,896	1,436	64,123.96	5,695,765	1,291	.....	.....
Paris.....	5,670	1,799	81,901.43	6,252,314	1,551	336	1.31
Parry Sound.....	5,315	1,793	74,125.95	6,800,120	1,498	378	1.09
Penetanguishene.....	4,584	1,328	50,455.25	4,224,880	1,148	307	1.19
Perth.....	5,124	1,858	71,840.09	6,673,230	1,554	358	1.08
Petrolia.....	3,446	1,313	40,652.73	2,415,872	1,078	187	1.68
Pictou.....	4,836	1,826	78,656.61	7,956,305	1,497	443	0.99
Point Edward.....	2,513	745	30,952.58	1,918,720	667	240	1.61
Port Credit.....	6,132	2,357	129,346.68	11,838,814	2,069	477	1.09
Port Dalhousie.....	2,915	1,033	68,381.70	5,856,742	938	520	1.17
Port Dover.....	2,722	1,398	39,418.64	2,752,057	1,183	194	1.43
Port Hope.....	7,240	2,577	138,611.25	12,491,247	2,238	465	1.11
Port Perry.....	2,180	765	40,435.65	2,878,741	636	377	1.40
Prescott.....	4,991	1,577	88,125.23	6,845,495	1,336	427	1.29
Preston.....	9,334	2,878	161,269.59	12,008,483	2,515	398	1.34
●Renfrew.....	8,401	2,563	125,772.93	10,136,868	2,197	384	1.24
●Richmond Hill.....	7,996	2,901	166,078.00	14,094,248	2,684	438	1.18
Ridgetown.....	2,483	1,001	25,324.30	1,629,190	801	169	1.55
Rockland.....	2,743	640	32,308.02	1,887,587	584	269	1.71
●St. Mary's.....	4,128	1,537	86,163.33	7,005,050	1,405	.....	.....
Schreiber Twp.....	2,004	556	29,293.29	2,695,892	494	455	1.09
Seaforth.....	2,089	797	35,565.01	2,795,540	644	362	1.27
Simcoe.....	8,005	3,015	89,417.74	7,529,170	2,439	257	1.19
Sioux Lookout.....	2,333	923	56,159.27	3,836,259	782	409	1.46
Smith's Falls.....	8,609	3,156	137,879.00	13,903,813	2,705	428	0.99
†South Porcupine Townsite.....	\$5,075	1,725	67,725.86	4,357,409	1,449	251	1.55
Stoney Creek.....	4,847	1,578	107,744.63	8,407,884	1,408	498	1.28
Stouffville.....	2,373	854	44,307.34	3,731,986	719	433	1.19
Strathroy.....	4,359	1,593	69,443.47	6,500,980	1,311	413	1.07
Streetsville.....	2,781	1,070	59,367.56	4,354,706	948	383	1.36
Sturgeon Falls.....	5,692	1,478	69,682.41	4,003,916	1,265	264	1.74
Swansea.....	8,450	2,846	176,689.69	15,349,434	2,646	483	1.15
Tecumseh.....	4,061	1,267	52,518.67	3,023,083	1,141	221	1.74
Thorold.....	7,904	2,371	107,711.63	9,224,897	2,117	363	1.17
●Tilbury.....	3,095	1,093	30,345.37	1,892,430	892	177	1.60
Tillsonburg.....	6,061	2,284	90,574.66	6,124,607	1,856	275	1.48
Uxbridge.....	2,328	823	35,074.45	2,864,530	674	354	1.22
Walkerton.....	3,588	1,220	50,901.52	4,049,471	1,005	336	1.26
Wallaceburg.....	7,887	2,821	85,030.26	5,143,448	2,324	184	1.65
West Ferris Twp.....	3,680	1,417	85,031.57	5,045,460	1,266	332	1.69
Weston.....	9,330	3,091	177,949.20	15,794,369	2,680	491	1.13
Whitby.....	8,289	2,504	138,822.96	12,702,901	2,173	487	1.09
Warton.....	2,016	745	24,190.87	2,191,954	594	308	1.10
Wingham.....	2,745	1,014	44,986.56	4,131,608	813	423	1.09
Woodbridge.....	2,028	696	43,941.11	3,584,771	583	512	1.23

†Local system

●New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

§Estimated

Utilities and Local Systems

AND CONSUMPTION

December 31, 1956

Population 2,000 to 9,999—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
32,680.77	2,115,570	108	.....	.....	11,602.93	915,644	37	553	.....	.....
26,523.09	1,769,979	210	702	1.50	51,138.83	4,694,891	38	1,987	10,296	1.09
43,675.70	2,290,706	273	699	1.91	17,116.60	1,207,972	22	615	4,576	1.42
24,299.28	1,569,494	159	823	1.55	37,279.34	3,676,699	21	1,236	14,590	1.01
36,506.76	2,468,439	253	813	1.48	37,116.42	3,468,595	51	1,576	5,668	1.07
28,340.90	1,332,291	178	624	2.13	39,821.89	2,019,991	57	827	2,953	1.97
44,689.15	3,322,075	284	975	1.35	20,602.47	1,503,962	45	839	2,785	1.37
12,545.93	535,130	59	756	2.34	150,555.09	12,436,555	19	3,698	54,546	1.21
55,799.34	3,481,471	249	1,165	1.60	81,709.86	10,106,001	39	2,057	21,594	0.81
12,236.96	718,771	83	722	1.70	11,183.40	647,480	12	396	4,496	1.73
21,969.55	1,354,561	189	597	1.62	27,723.25	2,778,614	26	822	8,906	1.00
54,071.45	3,265,019	293	929	1.66	130,991.01	13,318,162	46	3,997	24,127	0.98
15,288.05	732,928	118	518	2.09	5,785.52	368,487	11	174	2,792	1.57
38,480.21	1,926,450	210	764	2.00	40,360.01	3,317,856	31	1,447	8,919	1.22
53,837.35	2,955,560	281	877	1.82	196,770.75	13,941,203	82	6,228	14,168	1.41
50,441.05	3,487,543	302	962	1.45	82,641.55	7,034,925	64	2,934	9,160	1.17
40,435.80	2,157,648	180	999	1.87	32,356.22	1,995,303	37	999	4,494	1.62
24,222.08	1,272,342	170	624	1.90	18,761.44	1,051,609	30	565	2,921	1.78
10,338.49	455,481	52	730	2.27	1,714.79	120,216	4	63	2,505	1.43
25,243.51	1,240,251	87	.....	.....	46,390.40	3,664,250	45	1,407	.....	.....
11,074.90	770,943	59	1,089	1.44	5,539.26	526,560	3	126	14,627	1.05
24,389.09	1,211,175	129	782	2.01	31,308.47	2,670,332	24	906	9,272	1.17
85,452.59	5,799,301	490	986	1.47	91,592.09	8,116,118	86	3,000	7,864	1.13
29,650.11	1,123,695	123	761	2.64	14,021.78	1,267,561	18	302	5,868	1.11
67,077.91	5,047,970	396	1,062	1.33	58,464.57	5,548,806	55	2,250	8,407	1.05
31,609.07	1,738,297	235	616	1.82	8,545.55	589,942	41	420	1,199	1.45
34,808.44	1,809,105	154	979	1.92	20,318.87	967,347	16	624	5,038	2.10
21,892.24	1,256,867	125	838	1.74	9,950.12	356,680	10	254	2,972	2.79
37,003.39	2,365,993	232	850	1.56	38,798.82	2,923,231	50	1,427	4,872	1.33
15,697.78	848,162	99	714	1.85	29,349.75	2,703,983	23	836	9,797	1.09
49,210.34	2,059,471	199	862	2.39	5,135.21	325,375	14	177	1,937	1.58
47,398.66	2,779,873	160	1,448	1.71	57,174.00	5,820,130	40	1,731	12,125	0.98
19,179.42	903,733	109	691	2.12	16,228.50	1,094,700	17	426	5,366	1.48
42,357.47	2,571,560	216	992	1.65	316,751.52	45,972,895	38	8,407	100,818	0.69
26,807.46	1,513,801	177	713	1.77	33,380.32	1,772,115	24	1,182	6,153	1.88
81,083.17	4,262,106	378	940	1.90	59,920.85	4,276,069	50	1,769	7,127	1.40
15,217.39	739,112	131	470	2.06	13,991.45	776,780	18	427	3,596	1.80
34,126.50	1,773,838	194	762	1.92	26,095.46	2,038,349	21	819	8,089	1.28
70,757.01	3,889,559	411	789	1.82	272,143.54	28,474,762	86	8,374	27,592	0.96
35,684.39	1,674,188	146	956	2.13	3,324.47	195,632	5	51	3,261	1.70
103,089.69	6,895,574	343	1,675	1.50	144,272.46	14,098,602	68	4,506	17,278	1.02
53,323.11	3,279,186	285	959	1.63	172,049.37	19,989,186	46	4,766	36,212	0.86
18,104.07	1,112,900	132	703	1.63	13,048.47	843,064	19	409	3,698	1.55
23,662.26	1,354,160	168	672	1.75	30,275.52	2,093,388	33	926	5,286	1.45
17,624.21	855,203	98	727	2.06	46,684.40	5,102,864	15	1,318	28,349	0.91

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Ailsa Craig.....	517	217	7,971.31	524,330	174	251	1.52
Alfred.....	980	281	10,266.40	356,782	235	127	2.88
Alvinston.....	636	330	6,480.19	330,600	258	107	1.96
Apple Hill.....	400	121	3,301.25	181,396	96	157	1.82
Arkona.....	427	184	8,219.57	497,675	146	284	1.65
Arthur.....	1,138	463	17,225.65	1,178,332	345	285	1.46
Athens.....	933	333	9,182.98	791,060	280	235	1.16
Ayr.....	925	354	14,799.31	1,258,555	293	358	1.18
●Baden.....	795	247	13,715.37	1,007,146	234	.....	.....
†Bala.....	**462	713	24,609.71	1,018,779	630	135	2.42
Barry's Bay.....	1,456	364	11,992.81	436,645	309	118	2.75
Bath.....	589	245	11,008.41	724,455	220	274	1.52
●Beachville.....	804	280	15,320.88	1,067,340	272	.....	.....
†Beardmore.....	1,099	300	14,354.53	760,174	231	274	1.89
Beaverton.....	1,041	510	20,476.02	1,579,346	410	321	1.30
Beeton.....	665	281	11,733.38	731,270	228	267	1.60
Belle River.....	1,752	652	24,109.10	1,210,400	564	179	1.99
Bloomfield.....	756	298	9,509.95	857,187	241	296	1.11
Blyth.....	741	323	11,195.01	833,740	245	284	1.34
Bobcaygeon.....	1,180	652	21,297.22	1,213,160	539	188	1.76
Bolton.....	1,186	452	20,455.19	1,862,850	374	415	1.10
Bothwell.....	788	304	7,041.52	517,610	230	188	1.36
Braeside.....	475	150	5,432.77	298,485	140	178	1.82
●Breachin.....	216	93	2,620.79	205,566	77	.....	.....
Bridgeport.....	1,437	400	23,842.64	1,845,977	358	430	1.29
Brigden.....	499	212	4,155.62	257,730	155	139	1.61
Brussels.....	803	375	14,482.31	1,133,158	287	329	1.28
Burford.....	987	375	18,205.69	1,526,994	311	409	1.19
Burgessville.....	238	98	4,532.61	337,139	74	380	1.34
Burk's Falls.....	861	316	11,939.10	728,330	247	246	1.64
Cache Bay.....	895	199	7,004.82	238,565	180	110	2.94
Campbellville.....	320	87	5,507.14	395,230	75	439	1.39
Cannington.....	915	428	16,316.70	1,299,575	344	315	1.26
Cardinal.....	1,945	614	29,490.21	2,470,471	543	379	1.19
Casselman.....	1,240	345	16,500.77	711,104	304	195	2.32
Cayuga.....	793	334	8,934.05	560,640	250	187	1.59
●Chatsworth.....	401	165	6,251.73	450,930	146	.....	.....
Chesley.....	1,623	700	25,993.91	2,221,840	576	321	1.17
Chesterville.....	1,208	407	15,740.37	1,271,526	322	329	1.24
●Clifford.....	538	215	10,937.91	678,628	195	.....	.....

†Local system

●New municipal resale rate structure with small commercial customers transferred to domestic billing

**Excluding summer population

Utilities and Local Systems

AND CONSUMPTION

December 31, 1956

Less than 2,000 population

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Ave- rage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
4,324.37	230,071	39	492	1.88	3,958.17	156,541	4	111	3,261	2.53
7,356.01	224,495	39	480	3.28	3,980.92	153,240	7	181	1,824	2.60
5,375.50	228,025	65	292	2.36	2,070.36	97,989	7	64	1,167	2.11
1,366.11	60,073	24	209	2.27	19.59	200	1	10	17	9.80
4,402.04	164,067	35	391	2.68	2,713.81	72,744	3	58	2,021	3.73
11,083.51	480,273	103	389	2.31	5,209.83	261,530	15	201	1,453	1.99
3,398.57	275,528	51	450	1.23	958.54	41,200	2	26	1,717	2.33
6,611.83	354,916	48	616	1.86	7,293.39	284,082	13	255	1,821	2.57
2,619.77	141,655	8	.....	.....	4,932.70	186,885	5	184	.....	.....
5,966.04	234,115	79	247	2.55	751.15	49,676	4	56	1,035	1.51
7,461.39	259,493	52	416	2.88	933.60	59,700	3	20	1,658	1.56
2,925.04	117,868	23	427	2.48	727.65	16,170	2	27	674	4.50
2,127.69	107,626	6	.....	.....	56,983.65	6,661,000	2	1,121	.....	.....
15,814.95	690,101	68	846	2.29	93.27	580	1	5	48	16.08
9,056.69	488,910	90	453	1.85	16,386.87	877,578	10	571	7,313	1.87
4,670.25	184,535	44	349	2.53	5,172.26	293,140	9	120	2,714	1.76
15,424.48	616,838	83	619	2.50	3,963.80	191,448	5	93	3,191	2.07
5,294.02	295,740	49	503	1.79	2,799.45	58,296	8	124	607	4.80
6,452.62	323,427	71	380	2.00	11,598.18	801,605	7	242	9,543	1.45
11,172.08	517,750	109	396	2.16	3,104.13	139,380	4	92	2,904	2.23
8,194.43	404,009	61	552	2.03	4,314.56	174,050	17	170	853	2.48
6,712.72	392,170	64	511	1.71	4,957.32	96,070	10	84	801	5.16
639.44	27,477	8	286	2.33	8,376.79	504,950	2	255	21,040	1.66
2,918.07	136,035	15	.....	.....	662.11	27,192	1	26	.....	.....
8,065.13	394,000	38	864	2.05	2,952.64	193,340	4	90	4,028	1.53
3,431.71	169,415	49	288	2.03	4,779.23	133,270	8	142	1,388	3.59
6,343.61	349,250	79	368	1.82	6,685.36	293,382	9	170	2,717	2.28
5,865.93	319,384	57	467	1.84	3,812.71	150,750	7	152	1,795	2.53
1,647.09	97,134	21	385	1.70	1,723.52	26,720	3	78	742	6.45
9,167.19	370,475	63	490	2.47	2,892.62	92,555	6	78	1,285	3.13
1,468.49	45,680	16	238	3.21	19,495.37	774,014	3	398	21,500	2.52
782.40	34,990	11	265	2.24	400.10	34,200	1	7	2,850	1.17
6,738.44	317,888	73	363	2.12	5,594.30	209,543	11	200	1,587	2.67
8,530.85	439,222	68	538	1.94	1,034.02	74,070	3	29	2,058	1.40
7,121.61	202,670	37	456	3.51	6,304.87	386,447	4	164	8,051	1.63
8,321.97	410,467	75	456	2.03	5,265.31	147,985	9	171	1,370	3.56
4,783.95	215,690	18	.....	.....	1,200.37	45,787	1	32	.....	.....
11,308.52	624,035	99	525	1.81	11,315.48	725,067	25	418	2,417	1.56
9,272.50	494,105	76	542	1.88	20,931.74	2,154,743	9	549	19,951	0.97
4,112.14	223,735	14	.....	.....	1,986.28	108,350	6	50	.....	.....

Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
● Cobden.....	904	369	12,015.01	1,104,091	338	.....	.....
Colborne.....	1,222	513	21,523.64	1,793,844	418	358	1.20
Coldwater.....	681	256	9,961.29	791,730	203	325	1.26
Comber.....	585	237	5,920.01	331,681	171	162	1.78
Cookstown.....	569	226	9,114.32	651,678	191	284	1.40
Cottam.....	608	239	7,552.44	457,490	196	195	1.65
Courtright.....	589	189	4,854.41	292,893	158	154	1.66
Creemore.....	826	349	13,989.94	1,167,050	291	334	1.20
Dashwood.....	383	172	8,600.12	502,522	138	303	1.71
Delaware.....	336	127	7,899.99	555,634	109	425	1.42
Deseronto.....	1,665	619	24,965.29	1,727,030	530	272	1.45
Dorchester.....	759	286	10,844.45	787,254	239	274	1.38
Drayton.....	568	261	11,023.77	643,126	213	252	1.71
Drumbo.....	339	162	6,425.14	493,420	126	326	1.30
Dublin.....	242	116	4,524.60	341,145	84	338	1.33
● Dundalk.....	822	389	12,710.56	900,260	294	255	1.41
Durham.....	1,979	773	28,394.26	2,198,830	625	293	1.29
Dutton.....	814	338	7,853.97	474,820	261	152	1.65
Eganville.....	1,494	520	18,770.89	1,033,944	424	203	1.82
†Elk Lake Townsite.....	\$490	184	5,456.24	347,809	140	207	1.57
Elmvale.....	884	375	14,803.90	1,167,230	292	333	1.27
Elmwood.....	\$375	129	3,177.61	218,976	105	174	1.45
Elora.....	1,433	527	26,684.51	1,734,845	445	325	1.54
Embro.....	506	220	10,671.83	851,225	173	410	1.25
†Englehart.....	1,622	576	33,733.93	1,891,008	479	329	1.78
Erieau.....	463	310	10,761.65	728,520	277	219	1.48
Erie Beach.....	86	132	4,055.52	107,590	128	70	3.77
Erin.....	903	359	16,355.91	1,018,995	295	288	1.61
Finch.....	371	170	5,558.41	431,735	132	273	1.29
Flesherton.....	487	222	6,539.52	561,100	163	287	1.17
Fonthill.....	1,885	640	35,727.83	2,978,946	562	442	1.20
Frankford.....	1,445	533	19,620.42	1,480,116	449	275	1.33
Glencoe.....	1,058	447	9,497.95	611,694	344	148	1.55
● †Gogama.....	\$500	98	1,148.89	24,330	82	59	4.72
Grand Bend.....	**865	771	31,946.76	1,468,110	678	180	2.18
Grand Valley.....	653	314	11,159.76	714,370	251	237	1.56
Granton.....	271	116	4,556.27	262,932	90	243	1.73
Hagersville.....	1,962	721	21,879.17	1,573,710	552	238	1.39
● Harriston.....	1,574	629	28,908.79	1,839,640	562	.....	.....
Harrow.....	1,773	636	38,202.27	2,611,518	510	427	1.46

†Local system

†5 months' operation as local system

● New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

§ Estimated

**Excluding summer population

Utilities and Local Systems

AND CONSUMPTION

December 31, 1956

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
6,630.98	339,857	24	.....	.....	3,971.66	169,261	7	178	.....	.....
11,640.03	519,866	89	487	2.24	2,269.61	132,751	6	69	1,844	1.71
5,168.42	302,700	49	515	1.71	2,612.70	102,910	4	89	2,144	2.54
5,620.37	272,524	58	392	2.06	6,719.69	225,753	8	206	2,352	2.98
3,271.31	125,031	32	326	2.62	2,065.60	149,480	3	78	4,152	1.38
3,415.54	144,100	37	325	2.37	2,642.18	67,158	6	102	933	3.93
3,409.04	145,394	29	418	2.34	493.88	39,345	2	6	1,639	1.26
4,835.98	233,870	54	361	2.07	1,516.72	56,160	4	73	1,170	2.70
3,398.50	117,940	31	317	2.88	1,651.66	30,600	3	69	850	5.40
2,731.98	107,442	18	497	2.54	.....	.....	.....	.....	.....	.....
10,338.25	451,856	71	530	2.29	16,153.89	776,270	18	526	3,594	2.08
3,135.14	137,210	44	260	2.28	2,543.30	114,860	3	82	3,191	2.21
4,077.36	149,370	44	283	2.73	2,193.16	72,190	4	65	1,504	3.04
2,576.89	112,935	33	285	2.28	1,493.14	45,840	3	53	1,273	3.26
3,297.33	169,350	30	470	1.95	3,175.59	123,500	2	68	5,146	2.57
9,040.58	391,515	84	388	2.31	5,254.75	261,368	11	211	1,980	2.01
17,989.51	920,105	124	618	1.96	21,339.21	1,306,996	24	636	4,538	1.63
5,243.03	258,400	66	326	2.03	5,568.46	421,694	11	168	3,195	1.32
14,113.54	575,439	85	564	2.45	5,819.53	328,625	11	168	2,490	1.77
4,414.96	224,136	38	492	1.97	5,768.29	211,441	6	143	2,937	2.73
8,357.51	443,075	74	499	1.89	4,851.15	200,497	9	155	1,856	2.42
1,706.60	76,007	22	288	2.25	3,410.00	105,800	2	92	4,408	3.22
9,602.77	416,337	76	457	2.31	6,718.09	437,040	6	193	6,070	1.54
2,758.10	167,460	42	332	1.65	4,484.73	171,700	5	110	2,862	2.61
17,041.77	610,689	92	553	2.79	9,087.79	666,105	5	197	11,102	1.36
5,789.04	323,725	27	999	1.79	6,810.15	296,845	6	149	4,123	2.29
270.25	5,715	4	119	4.73	.....	.....	.....	.....	.....	.....
7,310.55	330,340	59	467	2.21	1,330.44	44,704	5	43	745	2.98
2,954.24	117,340	33	296	2.52	1,606.44	67,740	5	36	1,129	2.37
5,033.96	311,927	57	456	1.61	1,602.32	86,980	2	57	3,624	1.84
8,976.92	489,052	70	582	1.84	3,935.63	123,560	8	135	1,287	3.19
6,923.90	325,143	79	343	2.13	1,451.08	93,980	5	69	1,566	1.54
14,178.84	770,939	89	722	1.84	5,338.72	210,602	14	210	1,254	2.53
645.55	22,580	14	323	2.86	315.18	22,000	2	6	2,200	1.43
16,715.31	577,245	93	517	2.90	.....	.....	.....	.....	.....	.....
5,155.13	226,485	53	356	2.28	4,653.83	245,870	10	146	2,049	1.89
1,744.96	59,629	25	199	2.93	163.70	2,660	1	6	222	6.15
20,458.58	1,155,113	145	664	1.77	43,317.17	3,496,053	24	1,444	12,139	1.24
14,807.39	712,559	51	.....	.....	19,628.95	1,373,247	16	538	.....	.....
25,829.68	1,175,873	119	823	2.20	11,722.72	353,560	7	338	4,209	3.32

Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Hastings.....	805	415	12,046.55	787,727	344	191	1.53
Havelock.....	1,276	434	17,062.22	973,840	361	225	1.75
Hensall.....	842	347	14,490.29	1,207,620	263	383	1.20
†Hepworth.....	367	122	4,110.01	219,480	96	191	1.87
Highgate.....	377	162	3,518.09	220,840	127	145	1.59
Holstein.....	180	96	2,746.59	199,970	77	216	1.37
†Hornepayne.....	\$1,400	434	25,144.67	629,197	398	132	4.00
†Hudson Townsite.....	388	171	6,503.29	280,861	139	168	2.32
†Ignace.....	615	162	7,908.22	196,722	135	121	4.02
Iroquois.....	1,175	469	21,802.83	1,657,599	380	364	1.32
Jarvis.....	641	243	6,289.49	467,620	194	201	1.35
†Jellicoe Townsite.....	\$140	48	1,699.74	71,567	40	149	2.38
†Kearns Townsite.....	\$520	166	8,449.49	603,115	145	347	1.40
Kemptville.....	1,743	676	27,500.74	2,361,261	557	353	1.16
†King Kirkland Townsite.....	\$320	100	3,738.36	218,443	90	202	1.71
Kirkfield.....	211	97	3,221.82	164,410	75	183	1.96
Lakefield.....	1,938	676	27,028.46	2,621,285	564	387	1.03
Lambeth.....	1,579	500	33,706.56	2,483,937	462	448	1.36
Lanark.....	888	309	8,297.93	606,368	259	195	1.37
Lancaster.....	571	197	5,611.14	460,264	160	240	1.22
Larder Lake Twp.....	1,975	549	26,058.83	1,867,080	484	321	1.40
Latchford.....	514	152	5,011.41	153,307	123	104	3.27
L'Orignal.....	1,057	305	15,423.89	553,030	275	168	2.79
Lucan.....	914	332	18,134.76	1,337,374	265	421	1.36
Lucknow.....	898	476	13,030.32	1,066,282	370	240	1.22
Lynden.....	510	160	8,752.08	695,835	141	411	1.26
Madoc.....	1,483	560	21,633.74	1,578,450	430	306	1.37
Magnetawan.....	253	96	3,300.64	118,616	72	137	2.78
Markdale.....	905	395	12,564.58	1,112,382	298	311	1.13
Marmora.....	1,342	489	19,513.63	1,421,260	411	288	1.37
Martintown.....	440	116	4,607.77	266,800	93	239	1.73
Massey.....	1,026	295	18,790.44	647,798	242	223	2.90
†Matachewan Twp.....	934	287	11,751.45	801,158	239	279	1.47
†Matheson.....	764	296	15,147.69	1,194,229	239	416	1.27
Maxville.....	798	292	9,468.89	728,308	237	256	1.30
Merlin.....	528	239	6,016.45	412,030	176	195	1.46
Merrickville.....	885	347	12,846.65	849,770	289	245	1.51
Mildmay.....	854	308	10,563.68	948,892	236	335	1.11
Millbrook.....	766	309	13,616.93	970,555	242	334	1.40
Milverton.....	1,080	439	20,481.25	1,369,539	337	339	1.50

†Local system

§Estimated

Utilities and Local Systems

AND CONSUMPTION

December 31, 1956

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
6,901.76	282,499	66	357	2.44	3,186.32	102,976	5	105	1,716	3.09
7,850.01	340,830	71	400	2.30	2,193.85	106,600	2	55	4,442	2.06
8,222.62	420,950	63	557	1.95	14,210.34	603,310	21	512	2,394	2.36
3,390.87	119,325	26	382	2.84	4,732.22	169,140	6	144	2,349	2.80
2,017.10	91,050	29	262	2.22	711.47	55,200	1	13	4,600	1.29
788.28	35,580	18	165	2.22	11,500.85	999,600	1	160	83,300	1.15
15,450.36	444,747	35	1,059	3.47	4,330.45	144,510	2	105	6,021	3.00
2,720.73	82,222	30	228	3.31	3,389.44	200,600	1	51	16,717	1.69
7,430.36	192,192	26	616	3.87	4,205.89	430,000	11	96	3,258	0.98
9,008.76	538,069	78	575	1.67	4,940.49	396,840	7	182	4,724	1.24
4,909.95	294,587	42	584	1.67	556.53	26,900	1	11	2,242	2.07
1,424.83	66,440	7	791	2.14	602.31	21,740	1	15	1,812	2.77
3,382.05	133,505	20	556	2.53	19,937.32	1,184,585	14	630	7,051	1.68
13,681.53	759,542	105	603	1.80	1,451.68	38,229	22	145	3.80	
1,511.26	62,803	10	523	2.41	15,341.75	920,371	99	775	1.67	
					5,847.36	255,273	35	608	2.29	
					3,267.50	197,528	49	336	1.65	
					4,271.76	268,235	37	604	1.59	
					9,390.70	487,042	62	655	1.93	
					4,718.96	144,224	27	445	3.27	
					7,603.76	233,865	27	722	3.25	
					8,589.92	404,770	62	544	2.12	
					8,610.64	444,311	94	394	1.94	
					2,084.46	87,715	17	430	2.38	
					15,743.67	830,860	121	572	1.89	
					2,772.40	89,840	23	326	3.09	
					9,828.34	575,065	90	532	1.71	
					12,623.72	637,400	75	708	1.98	
					3,053.51	114,599	22	434	2.66	
					8,908.27	255,636	49	435	3.48	
					5,282.09	211,695	47	375	2.50	
					9,131.31	476,859	49	811	1.91	
					6,874.45	311,850	52	500	2.20	
					6,487.29	357,373	59	505	1.82	
					4,903.60	232,860	50	388	2.11	
					5,479.06	309,356	64	403	1.77	
					9,682.84	354,860	66	448	2.73	
					12,939.51	527,768	87	506	2.45	
					2,812.72	92,637	4	120	1,930	3.04
					4,457.49	263,815	8	193	2,748	1.69
					2,211.15	164,144	8	65	1,710	1.35
					531.48	33,440	1	10	2,787	1.59
					13,643.68	630,661	15	469	3,504	2.16

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Moorefield.....	303	128	3,550.37	315,495	92	286	1.13
Mount Brydges.....	828	320	9,759.52	626,564	262	199	1.56
Neustadt.....	474	199	5,195.24	396,170	157	210	1.31
Newboro.....	316	125	3,818.97	164,356	116	118	2.32
Newburgh.....	554	178	7,889.41	451,020	151	249	1.75
Newbury.....	332	135	4,129.80	239,320	111	180	1.73
Newcastle.....	1,055	417	16,170.16	1,415,003	341	346	1.14
New Hamburg.....	1,980	673	35,064.59	2,722,178	540	420	1.29
Norwich.....	1,588	648	32,160.36	2,475,145	527	391	1.30
Norwood.....	981	384	15,279.64	1,174,130	304	322	1.30
Oil Springs.....	486	217	4,840.84	315,183	145	181	1.54
Omeme.....	800	291	11,584.34	880,470	248	296	1.32
Orono.....	751	335	14,964.13	1,024,150	289	295	1.46
Otterville.....	692	269	10,939.38	896,370	210	356	1.22
Paisley.....	734	323	11,026.56	793,910	250	265	1.39
Palmerston.....	1,572	612	25,969.51	2,430,084	497	407	1.07
Parkhill.....	1,082	479	19,521.65	1,386,740	372	311	1.41
†Pickle Lake Landing Townsite.....	\$110	53	2,042.95	106,252	31	286	1.92
Plattsville.....	430	180	8,889.26	637,811	149	357	1.39
Port Burwell.....	708	411	13,689.61	397,743	357	93	3.44
†Port Carling.....	**455	453	26,002.52	1,199,023	392	255	2.17
Port Elgin.....	1,725	972	39,231.16	2,606,410	800	272	1.51
Port McNicoll.....	953	500	14,496.69	850,720	468	151	1.70
Port Rowan.....	768	323	7,388.84	394,811	243	135	1.87
Port Stanley.....	1,346	1,147	38,270.73	2,696,273	1,004	224	1.42
†Powassan.....	934	305	14,122.35	1,036,495	243	355	1.36
Priceville.....	174	66	2,325.74	87,190	56	130	2.67
Princeton.....	367	153	6,699.21	546,655	122	373	1.23
Queenston.....	423	152	10,128.24	933,565	132	589	1.08
†Red Lake Townsite.....	1,781	817	44,303.79	2,425,433	641	315	1.83
Red Rock.....	1,780	314	19,751.96	1,900,426	286	554	1.04
Richmond.....	775	240	12,539.42	885,290	216	342	1.42
Ripley.....	448	217	8,380.04	562,060	155	302	1.49
Rockwood.....	797	281	15,080.08	1,047,225	238	367	1.44
Rodney.....	1,021	432	10,168.61	789,670	343	192	1.29
Rosseau.....	210	119	3,432.88	149,188	104	120	2.30
Russell.....	425	205	7,955.10	557,250	165	281	1.43
St. Clair Beach.....	898	328	21,423.59	1,248,714	305	341	1.72
St. George.....	679	262	7,737.34	674,921	205	274	1.15
St. Jacobs.....	725	226	10,815.44	886,875	178	415	1.22

†Local system

§Estimated

**Excluding summer population

Utilities and Local Systems

AND CONSUMPTION

December 31, 1956

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
3,181.41	189,250	34	464	1.68	1,291.40	64,930	2	45	2,705	1.99
3,158.48	159,770	53	251	1.98	5,172.15	179,514	5	149	2,992	2.88
2,579.34	141,860	39	303	1.82	6,003.89	396,850	3	183	11,024	1.51
1,366.19	51,980	9	481	2.63						
3,195.00	113,360	24	394	2.82	2,635.41	89,100	3	84	2,475	2.96
1,294.07	62,990	23	228	2.05	236.07	4,480	1	12	373	5.27
10,663.40	671,006	65	860	1.59	9,885.78	589,468	11	299	4,466	1.68
14,915.55	746,182	114	545	2.00	17,049.25	1,016,412	19	501	4,458	1.68
15,481.10	718,309	109	549	2.16	4,834.28	203,696	12	158	1,415	2.37
9,100.69	378,195	76	415	2.41	4,859.83	172,125	4	160	3,586	2.82
2,462.09	97,915	40	204	2.51	6,782.11	651,727	32	140	1,697	1.04
3,985.22	169,780	37	382	2.35	3,842.03	256,423	6	91	3,561	1.50
5,011.04	224,965	43	436	2.23	1,485.75	41,701	3	46	1,158	3.56
4,089.47	210,800	51	344	1.94	2,206.55	86,035	8	85	896	2.56
5,581.70	240,711	65	309	2.32	3,680.69	206,250	8	98	2,148	1.78
11,188.82	657,180	97	565	1.70	12,977.83	1,078,000	18	516	4,991	1.20
13,736.54	606,520	95	532	2.26	8,609.74	385,553	12	201	2,677	2.23
1,448.07	41,576	21	165	3.48	183.64	2,909	1	7	242	6.31
2,344.68	87,435	30	243	2.68	12,802.96	874,400	1	315	72,867	1.46
7,640.60	230,975	51	377	3.31	814.08	8,220	3	41	228	9.90
7,334.16	225,522	56	336	3.25	1,170.51	78,343	5	43	1,306	1.49
18,580.82	821,216	159	430	2.26	9,479.69	534,123	13	251	3,424	1.77
2,449.94	130,584	30	363	1.88	38,828.67	1,863,700	2	1,110	77,654	2.08
7,420.75	352,395	75	392	2.11	929.65	22,618	5	37	377	4.11
13,668.19	815,971	125	544	1.68	18,951.05	727,620	18	572	3,369	2.60
10,678.79	461,815	58	664	2.31	655.67	12,790	4	23	266	5.13
967.87	33,166	10	276	2.92						
2,105.43	78,470	27	242	2.68	1,878.85	83,780	4	65	1,745	2.24
5,387.38	333,252	20	1,389	1.62						
41,818.53	1,977,537	170	969	2.11	8,866.07	348,280	6	207	4,837	2.55
10,244.19	696,332	26	2,232	1.47	861.85	140,840	2	20	5,868	0.61
2,604.44	103,682	22	393	2.51	2,591.23	145,800	2	60	6,075	1.78
4,601.08	150,960	59	213	3.05	2,181.49	123,300	3	57	3,425	1.77
4,546.62	203,274	40	423	2.24	1,633.49	66,285	3	41	1,841	2.46
6,134.35	318,398	78	340	1.93	6,612.27	245,873	11	240	1,863	2.69
1,887.76	83,265	15	463	2.27						
2,846.97	124,780	37	281	2.28	638.04	34,980	3	29	972	1.82
5,993.91	230,635	20	961	2.60	2,124.49	68,455	3	47	1,902	3.10
5,140.05	349,597	52	560	1.47	5,025.65	336,790	5	166	5,613	1.49
6,220.01	294,200	40	613	2.11	4,975.12	168,150	8	215	1,752	2.96

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Shelburne	1,239	534	21,699.58	1,539,090	425	302	1.41
Smithville	796	371	10,951.65	752,650	277	226	1.46
Southampton	1,746	1,024	31,652.89	2,309,680	886	217	1.37
Springfield	510	180	6,360.94	469,982	147	266	1.35
Stayner	1,400	571	23,982.89	1,773,731	459	322	1.35
Stirling	1,277	497	23,675.04	1,880,779	391	401	1.26
Sunderland	559	247	9,153.47	675,468	198	284	1.36
Sundridge	701	273	10,499.39	525,342	211	207	2.00
Sutton	1,300	837	26,137.86	1,973,299	682	241	1.32
Tara	478	240	8,147.90	579,960	179	270	1.40
Tavistock	1,121	484	23,994.41	1,941,370	368	440	1.24
Teeswater	883	353	11,780.80	912,717	279	273	1.29
Terrace Bay	1,818	394	31,727.94	4,143,012	353	978	0.77
Thamesford	678	284	16,686.71	1,064,980	228	389	1.57
Thamesville	1,017	442	12,830.36	678,660	334	169	1.89
Thedford	678	288	10,177.49	710,993	224	265	1.43
●*Thessalon	1,554	465	16,316.45	746,691	385	242	2.19
Thornbury	1,064	496	17,616.99	1,047,620	389	224	1.68
Thorndale	346	135	7,170.26	471,700	103	382	1.52
†Thornloe	195	41	1,878.53	112,353	28	334	1.67
Thornton	279	105	3,825.88	241,859	92	219	1.58
Tottenham	714	271	11,037.29	894,450	210	355	1.23
Tweed	1,655	600	21,445.81	1,985,910	480	345	1.08
Vankleek Hill	1,644	510	19,425.56	953,278	437	182	2.04
Victoria Harbour	953	445	13,298.15	695,550	407	142	1.91
Wardsville	289	128	4,134.49	300,970	101	248	1.37
Warkworth	505	241	8,031.19	552,540	184	250	1.45
●Wasaga Beach	542	957	24,913.38	874,690	716	.....	.....
Waterdown	1,771	562	33,584.22	2,727,530	478	476	1.23
Waterford	1,863	704	25,073.85	1,906,386	608	261	1.32
Watford	1,173	510	20,619.76	1,590,310	396	335	1.30
Waubushene	\$1,315	410	11,371.93	575,250	375	128	1.98
Webbwood	464	130	6,358.68	189,354	105	150	3.36
Wellesley	666	265	11,638.88	826,440	209	330	1.41
Wellington	1,014	555	14,520.46	1,263,500	459	229	1.15
West Lorne	1,078	418	13,839.36	905,672	322	234	1.53
Westport	692	278	9,223.27	713,240	218	273	1.29
Wheatley	1,166	475	15,406.74	977,550	376	217	1.58
Williamsburg	310	143	3,833.15	429,830	105	341	0.89
Winchester	1,324	524	19,652.98	1,541,677	419	307	1.27
Windermere	133	119	4,797.79	206,980	101	171	2.32
Woodville	409	179	6,901.45	417,282	144	241	1.65
Wyoming	769	303	7,622.21	448,432	244	153	1.70
Zurich	632	282	11,312.88	740,780	224	276	1.53

†Local system

●New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

*8 months' operation

\$Estimated

Utilities and Local Systems

AND CONSUMPTION

December 31, 1956

Less than 2,000 population—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
13,506.23	699,260	96	607	1.93	5,666.33	326,370	13	215	2,092	1.74
8,517.92	374,629	80	390	2.27	11,373.93	546,357	14	367	3,252	2.08
14,031.43	661,617	123	448	2.12	15,022.77	877,910	15	441	4,877	1.71
2,011.06	98,567	30	274	2.04	1,563.15	46,100	3	66	1,281	3.39
11,530.75	579,245	96	503	1.99	5,347.63	239,860	16	210	1,249	2.23
10,874.60	573,304	90	531	1.90	5,376.70	302,786	16	238	1,577	1.78
4,472.72	188,150	45	348	2.38	3,748.60	128,994	4	95	2,687	2.91
7,743.73	269,330	59	380	2.88	1,494.50	48,090	3	42	1,336	3.11
18,779.32	990,996	145	570	1.89	5,053.18	294,093	10	156	2,451	1.72
4,103.63	187,150	55	284	2.19	1,376.37	74,190	6	40	1,030	1.86
10,353.97	498,929	107	389	2.08	14,922.88	923,364	9	435	8,550	1.62
5,907.67	268,699	66	339	2.20	9,252.49	470,789	8	223	4,904	1.97
18,413.24	1,220,000	39	2,607	1.51	7,978.78	648,800	2	181	27,033	1.23
6,439.34	254,826	49	433	2.53	4,611.80	204,047	7	116	2,429	2.26
10,583.71	485,640	90	450	2.18	18,052.67	644,845	18	516	2,985	2.80
6,032.46	289,965	59	410	2.08	2,988.59	231,520	5	77	3,859	1.29
8,201.01	479,280	73	821	1.71	3,077.82	192,617	7	53	3,440	1.60
9,186.81	363,930	92	330	2.52	8,832.65	556,322	15	354	3,091	1.59
2,174.88	73,752	29	212	2.95	2,809.24	70,870	3	65	1,969	3.96
1,280.39	48,176	13	309	2.66						
804.33	29,843	12	207	2.70	76.09	3,776	1	2	315	2.02
4,354.72	210,194	54	324	2.07	2,410.34	142,804	7	67	1,700	1.69
12,193.61	723,477	106	569	1.69	9,458.19	677,475	14	305	4,033	1.40
9,782.86	321,657	67	400	3.04	2,220.20	57,910	6	84	804	3.83
2,939.38	127,470	37	287	2.31	352.02	34,800	1	6	2,900	1.01
3,243.07	176,669	27	545	1.84						
4,203.09	152,202	57	223	2.76						
23,897.67	945,595	239			710.02	27,000	2	21		
9,387.72	481,260	70	573	1.95	3,633.97	199,040	14	139	1,185	1.83
9,408.70	608,323	85	596	1.55	7,146.48	459,605	11	285	3,482	1.55
13,418.03	675,149	104	541	1.99	15,216.56	871,673	10	348	7,264	1.75
2,900.55	132,460	31	356	2.19	2,054.71	56,605	4	54	1,179	3.63
3,781.86	113,756	23	412	3.32	876.96	43,640	2	12	1,818	2.01
4,704.39	229,653	49	391	2.05	2,454.04	108,360	7	115	1,290	2.26
6,177.35	331,264	77	359	1.86	7,063.86	255,921	19	259	1,122	2.76
13,047.66	619,474	83	622	2.11	25,054.34	1,421,365	13	602	9,111	1.76
6,802.90	361,290	60	502	1.88						
15,787.31	753,165	85	738	2.10	12,419.37	536,625	14	383	3,194	2.31
3,321.51	213,140	36	493	1.56	643.82	15,810	2	22	659	4.07
12,923.04	793,082	96	688	1.63	13,996.21	1,162,030	9	389	10,760	1.20
3,296.42	123,106	18	570	2.68						
2,873.28	112,317	33	284	2.56	1,199.13	42,640	2	41	1,777	2.81
5,040.12	254,432	52	408	1.98	8,938.45	321,425	7	238	3,826	2.78
6,415.11	255,306	56	380	2.51	749.55	27,000	2	21	1,125	2.78

APPENDIX I—OPERATIONS

THE tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to information relating to the delivery of power and energy in wholesale quantities given in Section III.

The tables of power demands and resources give for each system and in total the primary peak requirements, and the dependable capacity of resources generated and purchased, at the time of December primary peak requirements.

The dependable peak capacity and output of each of the Commission's generating stations and of the sources of purchased power are given in a separate table on pages 202 and 203. The dependable peak capacity of a source of generation is defined as the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For the Commission's generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

Beginning on page 204 there is a table dealing primarily with the power and energy supplied in wholesale quantities to the municipal electrical utilities and local systems. In addition, it records the date when power was first delivered by the Commission to each as a separate municipal system, and the frequency at which power was delivered in December 1956. As a measure of the power supply, the peak load in December is used in this table since loads on municipal systems normally reach their maxima in December. For costing purposes, however, the average of the monthly peak loads is used as shown in the Cost of Power Statement.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. In order to convert the kilowatt figures to horsepower, it may be assumed that one horsepower is equivalent to 0.746 kilowatts.

POWER DEMANDS

Southern Ontario System

	1955	1956	Increase or decrease
	kw	kw	kw
Demands			
Primary load carried.....	3,534,000	3,767,480	233,480
Primary load cut.....			
Primary peak requirements.....	3,534,000	3,767,480	233,480
Resources			
Commission hydro-electric generation.....	2,596,400	2,625,400	29,000
Commission thermal-electric generation.....	636,000	616,000	20,000
Power purchased.....	681,100	640,000	41,100
Dependable peak capacity.....	3,913,500	3,881,400	32,100

Figures in the above table apply to demands and resources

ANNUAL ENERGY

Energy Made Available

	1955		1956		Increase or decrease per cent
	kwh		kwh		
SOUTHERN ONTARIO SYSTEM					
Generated (net)					
hydro-electric.....	18,199,385,778		20,043,425,264		10.1
thermal-electric.....	399,213,800		933,168,700		133.8
Total generated.....	18,598,599,578		20,976,593,964		12.8
Purchased.....	3,994,930,315		4,239,963,320		6.1
Transferred* in or out (net).....	549,692,000		521,437,000		5.1
Primary.....	18,993,067,693		20,812,985,684		9.6
Secondary.....	3,050,770,200		3,882,134,600		27.3
Total.....	22,043,837,893	22,043,837,893	24,695,120,284	24,695,120,284	12.0
NORTHERN ONTARIO PROPERTIES					
NORTHEASTERN DIVISION					
Generated (net)					
hydro-electric.....	1,734,025,749		1,878,429,667		8.3
thermal-electric.....	1,914,800		2,730,102		42.6
Total generated.....	1,735,940,549		1,881,159,769		8.4
Purchased.....	82,249,834		125,355,381		52.4
Transferred* in or out (net).....	549,692,000		521,437,000		5.1
Primary.....	2,253,164,903		2,459,409,770		9.2
Secondary.....	114,717,480		68,542,380		40.3
Total.....	2,367,882,383	2,367,882,383	2,527,952,150	2,527,952,150	6.8
NORTHWESTERN DIVISION					
Generated (net)					
hydro-electric.....	2,133,708,090		2,284,541,100		7.1
Purchased.....	9,680,040		15,933,332		64.6
Primary.....	2,011,390,590		2,264,858,942		12.6
Secondary.....	131,997,540		35,615,490		73.0
Total.....	2,143,388,130	2,143,388,130	2,300,474,432	2,300,474,432	7.3
ALL SYSTEMS					
Generated (net)					
hydro-electric.....	22,067,119,617		24,206,396,031		9.7
thermal-electric.....	401,128,600		935,898,802		133.3
Total generated.....	22,468,248,217		25,142,294,833		11.9
Purchased.....	4,086,860,189		4,381,252,033		7.2
Primary.....	23,257,623,186		25,537,254,396		9.8
Secondary.....	3,297,485,220		3,986,292,470		20.9
Total.....	26,555,108,406	26,555,108,406	29,523,546,866	29,523,546,866	11.2

*Net interchange between Southern Ontario System and Northeastern Division of the Northern Ontario Properties.

AND RESOURCES

Northern Ontario Properties

NORTHEASTERN DIVISION			NORTHWESTERN DIVISION		
1955	1956	Increase or decrease	1955	1956	Increase or decrease
kw 366,458	kw 390,232	kw 23,774	kw 328,642	kw 356,737	kw 28,095
.....
366,458	390,232	23,774	328,642	356,737	28,095
297,400	297,400	.....	315,200	368,100	52,900
1,000	1,300	300	.....	.....	.....
1,200	1,200	.....	2,200	2,700	500
299,600	299,900	300	317,400	370,800	53,400

at the time of December primary peak requirements.

ACCOUNT

Energy Disposed of in Wholesale Quantities

	1955	1956	Increase or decrease
SOUTHERN ONTARIO SYSTEM	kw	kw	per cent
Primary—Municipal electrical utilities.....	11,025,263,635	12,258,469,086	11.2
—Local systems.....	26,878,093	15,848,312	41.1
—Rural power district.....	1,644,538,762	1,813,740,666	10.3
—Direct industrial customers.....	4,544,273,015	4,926,839,072	8.4
Total primary.....	17,240,953,505	19,014,897,136	10.3
Secondary—Direct industrial customers.....	2,861,400,180	3,679,389,600	28.6
Total primary and secondary.....	20,102,353,685	22,694,286,736	12.9
Losses and unaccounted for.....	1,941,484,208	2,000,833,548	3.1
Total.....	22,043,837,893	24,695,120,284	12.0
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary—Municipal electrical utilities.....	215,321,463	239,788,106	11.4
—Local systems.....	115,108,359	128,079,695	11.3
—Rural power district.....	115,718,626	144,582,865	24.9
—Direct industrial customers.....	1,516,055,049	1,644,471,522	8.5
Total primary.....	1,962,203,497	2,156,922,188	9.9
Secondary—Direct industrial customers.....	105,860,234	61,377,628	42.0
Total primary and secondary.....	2,068,063,731	2,218,299,816	7.3
Losses and unaccounted for.....	299,818,652	309,652,334	3.3
Total.....	2,367,882,383	2,527,952,150	6.8
NORTHWESTERN DIVISION			
Primary—Municipal electrical utilities.....	356,832,540	403,185,220	13.0
—Local systems.....	23,416,700	13,338,671	-3.0
—Rural power district.....	34,686,438	42,035,801	21.2
—Direct industrial customers.....	1,409,784,761	1,602,833,442	13.7
Total primary.....	1,824,720,439	2,061,393,134	13.0
Secondary—Direct industrial customers.....	120,708,977	32,113,304	73.4
Total primary and secondary.....	1,945,429,416	2,093,506,438	7.6
Losses and unaccounted for.....	197,958,714	206,967,994	4.6
Total.....	2,143,388,130	2,300,474,432	7.3
ALL SYSTEMS			
Primary—Municipal electrical utilities.....	11,597,417,638	12,901,442,412	11.2
—Local systems.....	165,403,152	157,266,678	-4.9
—Rural power district.....	1,794,943,826	2,000,359,332	11.4
—Direct industrial customers.....	7,470,112,825	8,174,144,036	9.4
Total primary.....	21,027,877,441	23,233,212,458	10.5
Secondary—Direct industrial customers.....	3,087,969,391	3,772,880,532	22.2
Total primary and secondary.....	24,115,846,832	27,006,092,990	12.0
Losses and unaccounted for.....	2,439,261,574	2,517,453,876	3.2
Total.....	26,555,108,406	29,523,546,866	11.2

**DEPENDABLE PEAK CAPACITY AND ACTUAL OUTPUT
OF POWER RESOURCES**

1956

		DECEMBER		Total annual energy output (net)
		Depend- able 20-min peak capacity	20-min peak output (net)	
Southern Ontario System		kw	kw	kwh
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Niagara	†Sir Adam Beck-Niagara No. 1.....	395,000	440,100	3,202,144,600
	Sir Adam Beck-Niagara No. 2.....	910,000	972,000	8,068,289,200
	*Ontario Power.....	135,000	137,000	1,040,474,000
	*Toronto Power.....	108,000	105,000	728,034,000
Welland Canal	DeCew Falls No. 1.....	32,000	33,900	180,051,800
	DeCew Falls No. 2.....	118,000	122,000	903,947,000
	Adjustment to Niagara River stations to compensate for use of water by Ontario Hydro rather than by another producer.....	42,000		
Muskoka	Ragged Rapids.....	7,500	7,650	39,678,190
	Big Eddy.....	7,100	7,600	39,585,300
	Bala No. 1 and 2.....	350	400	1,610,720
South Muskoka	South Falls.....	4,200	4,300	30,947,255
	Trethewey Falls.....	1,600	1,800	11,587,200
	Hanna Chute.....	1,200	1,300	9,780,100
Beaver	Eugenia.....	5,400	5,760	20,951,200
Severn	Big Chute.....	4,300	4,400	32,830,800
Saugeen	Walkerton.....	350		1,309,900
	Hanover.....	250	270	1,252,224
Magnetawan	Burks Falls.....	250	120	505,800
Trent	Heely Falls.....	11,150	11,925	82,786,700
	Ranney Falls.....	8,350	8,505	62,248,520
	Meyersburg.....	5,100	5,860	41,543,230
	Sidney.....	3,350	3,625	23,224,500
	Hagues Reach.....	3,250	3,725	25,062,130
	Seymour.....	2,950	3,100	21,545,280
	Frankford.....	2,550	3,000	18,684,000
	Sills Island.....	1,550	885	6,077,360
Otonabee	Auburn.....	1,750	1,875	12,509,580
	Lakefield.....	1,650	1,500	10,405,650
	Fenelon Falls.....	700	400	3,500,705
Ottawa	Des Joachims.....	372,000	370,000	2,339,032,900
	Otto Holden.....	210,000	219,000	1,190,244,700
	Chenau.....	117,000	118,000	782,402,400
	†Chats Falls (Ontario half).....	82,000	86,000	533,884,450
Madawaska	Stewartville.....	63,000	63,500	282,859,600
	Barrett Chute.....	42,000	41,500	241,625,400
	Calabogie.....	4,400	4,410	29,546,100
Mississippi	High Falls.....	2,450	2,675	13,909,160
	Galetta.....	800	770	5,166,780
Rideau	Merrickville.....	900	380	4,186,830
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>			
Windsor	J. Clark Keith (steam).....	244,000	251,000	183,116,900
Hamilton	*Steel Company of Canada (steam).....		3,000	14,086,800
Toronto	Richard L. Hearn (steam).....	372,000	388,000	735,965,000
Total.....		3,241,400	**	20,976,593,964

Resources are 60-cycle except as indicated:

†25- and 60-cycle

*25-cycle

**Because the maximum 20-minute peak outputs of the various generating stations and purchased-power sources in a system do not occur coincidentally, the sum of the power outputs is not necessarily the peak load of the system.

DEPENDABLE PEAK CAPACITY AND ACTUAL OUTPUT
OF POWER RESOURCES

1956

		DECEMBER	
		Depend- able 20-min peak capacity	Total annual energy output (net)
		kw	kwh
Northern Ontario Properties			
NORTHEASTERN DIVISION			
<i>River</i>	<i>Hydro-Electric Generating Stations</i>		
Abitibi	*Abitibi Canyon.....	181,000	1,155,226,000
Mississagi	George W. Rayner.....	47,000	277,189,740
Mattagami	*Wawaitin.....	10,800	60,484,260
	*Lower Sturgeon.....	6,000	43,863,262
	*Sandy Falls.....	2,700	18,452,220
Montreal	Upper Notch.....	8,400	59,752,000
	Hound Chute.....	3,600	30,757,600
	Indian Chute.....	3,000	20,112,200
	Fountain Falls.....	2,000	16,039,240
Wanapitei	Stinson.....	5,700	25,812,840
	Coniston.....	4,100	20,888,085
	McVittie.....	2,200	15,383,560
Matabitchuan	Matabitchuan.....	8,800	59,310,580
Sturgeon	Crystal Falls.....	8,200	51,012,600
South	Nipissing.....	1,600	10,257,540
	Elliott Chute.....	1,400	5,482,600
	Bingham Chute.....	900	4,884,520
Kagawong	Kagawong.....		3,520,820
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>		
Kagawong	Kagawong (diesel portion).....	300	15,200
Chapleau	Chapleau.....	500	410,400
Hornepayne	Hornepayne.....	500	2,304,502
Total.....		298,700	1,881,159,769
NORTHWESTERN DIVISION			
<i>River</i>	<i>Hydro-Electric Generating Stations</i>		
Nipigon	Pine Portage.....	119,200	720,591,660
	Cameron Falls.....	57,600	418,388,200
	Alexander.....	49,600	384,541,300
Aguasabon	Aguasabon.....	44,000	254,373,140
Kaministikwia	Kakabeka Falls.....	25,000	148,063,000
English	Manitou Falls.....	54,200	212,230,100
	Ear Falls.....	16,400	131,540,800
Albany	Rat Rapids.....	2,100	14,812,900
Total.....		368,100	2,284,541,100
Total generated—All systems.....		3,908,200	25,142,294,833
Sources of Purchased Power			
SOUTHERN ONTARIO SYSTEM			
	Detroit Edison Company.....	298,000	162,284,000
	Polymer Corporation.....	22,000	10,219,600
	*Canadian Niagara Power Company.....	15,000	73,251,000
†Gatineau Power Company.....		341,700	1,698,309,900
*Quebec Hydro-Electric Commission (Beauharnois)....		165,300	1,069,050,000
†MacLaren-Quebec Power Company.....		109,500	658,952,635
†Ottawa Valley Power Company.....		86,000	537,874,650
Niagara Mohawk Power Corporation.....		30,000	11,045,000
†Miscellaneous (relatively small suppliers).....		1,600	18,976,535
Total.....		640,000	4,239,963,320
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
	†Abitibi Power & Paper Company.....	14,550	4,197,500
	†Quebec Hydro-Electric Commission.....	36,000	109,760,770
	Miscellaneous (relatively small suppliers).....	1,200	11,397,111
Total.....		1,200	125,355,381
NORTHWESTERN DIVISION			
	Ontario-Minnesota Pulp and Paper Company.....	2,700	11,557,000
	Manitoba Hydro-Electric Board.....	15,000	4,376,332
Total.....		2,700	15,933,332
Total purchased—All systems.....		643,900	4,381,252,033
Total generated and purchased—All systems.....		4,552,100	29,523,546,866

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
SOUTHERN ONTARIO SYSTEM		cycles	kw	'000 kwh	per cent
Acton.....	Jan. 1913	60	3,454.9	14,634	12.2
Ailsa Craig.....	Jan. 1916	60	274.2	981	9.8
Ajax.....	Jan. 1952	60	4,384.1	21,081	12.8
Alexandria.....	Jan. 1921	60	1,318.7	5,160	13.9
Alfred.....	June 1952	60	304.2	825	8.1
Alliston.....	June 1918	60	1,370.7	6,535	10.5
Almonte.....	Feb. 1945	60	910.8	3,001	3.3
Alvinston.....	Apr. 1922	60	231.3	745	3.0
Amherstburg.....	Feb. 1919	60	2,764.2	13,588	20.9
Ancaster Twp.....	Jan. 1914	60	1,895.0	7,300	14.4
Apple Hill.....	Apr. 1921	60	87.1	308	7.5
Arkona.....	Dec. 1926	60	305.9	868	14.0
Arnprior.....	June 1929	60	3,693.5	15,623	14.9
Arthur.....	Dec. 1916	60	591.1	2,248	9.6
Athens.....	Jan. 1929	60	372.0	1,274	10.6
Aurora.....	Dec. 1920	60	2,726.4	13,806	3.1
Aylmer.....	Mar. 1918	25	3,254.0	13,090	1.8
Ayr.....	Jan. 1915	25	588.0	2,013	7.9
Baden.....	May 1912	60	404.5	1,473	8.6
†Bala.....	Apr. 1929	60	268.4	1,599	15.1
Bancroft.....	Mar. 1950	60	495.0	1,470	50.9
Barrie.....	Apr. 1913	60	12,466.0	59,242	15.8
Barry's Bay.....	Jan. 1950	60	260.1	902	5.6
Bath.....	Nov. 1931	60	282.6	975	33.4
Beachville.....	Aug. 1912	25 & 60	1,424.6	8,132	14.9
Beamsville.....	Jan. 1930	25	1,325.0	6,127	11.5
Beaverton.....	Nov. 1914	60	825.4	3,254	13.9
Beeton.....	Aug. 1918	60	378.7	1,374	13.5
Belle River.....	Dec. 1922	60	571.5	2,347	8.2
Belleville.....	Mar. 1916	60	14,939.7	73,784	5.8
Blenheim.....	Nov. 1915	60	1,391.0	4,899	2.7
Bloomfield.....	Apr. 1919	60	322.7	1,357	6.7
Blyth.....	July 1924	60	494.0	2,056	9.9
Bobcaygeon.....	July 1946	60	520.5	2,223	12.7
Bolton.....	Feb. 1915	60	725.0	2,631	15.2
Bothwell.....	Sep. 1915	60	385.6	1,180	0.8
Bowmanville.....	Mar. 1916	60	5,249.9	23,826	8.9
Bracebridge.....	June 1955	60	103.2	151	.....
Bradford.....	Oct. 1918	60	1,267.8	5,520	8.0
Braeside.....	June 1929	60	267.1	930	7.2
Brampton.....	Nov. 1911	60	9,054.3	36,269	14.2
Brantford.....	Feb. 1914	25 & 60	38,033.0	180,511	6.5
Brantford Twp.....	Oct. 1915	25 & 60	3,318.3	10,462	.....
Brechin.....	Jan. 1915	60	119.8	404	13.6*
Bridgeport.....	Mar. 1928	60	670.1	2,584	9.7

†Local system

*A large number of customers formerly served by rural facilities were transferred to the municipality May 1, 1956.

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Brigden.....	Jan. 1918	60	203.0	703	9.8
Brighton.....	Mar. 1916	60	1,122.4	4,956	6.4
Brockville.....	Apr. 1915	60	12,641.3	59,002	14.7
Bronte.....	Jan. 1930	60	787.2	3,270	3.2
Brussels.....	July 1924	60	548.7	2,107	5.9
Burford.....	June 1915	25	612.9	2,375	9.9
Burgessville.....	Nov. 1916	25	158.8	522	8.8
Burk's Falls.....	Jan. 1950	60	404.1	1,373	15.2
Burlington.....	Jan. 1930	60	6,411.7	26,885	14.7
†Burlington Beach.....	Jan. 1930	60	1,041.1	4,969	8.2
Caledonia.....	Oct. 1912	25	882.0	3,930	9.2
Campbellville.....	Jan. 1925	60	133.0	500	14.1
Cannington.....	Nov. 1914	60	515.8	2,073	12.2
Cardinal.....	July 1930	60	916.9	3,431	17.3
Carleton Place.....	May 1919	60	2,742.0	13,101	7.3
Casselman.....	Dec. 1952	60	428.4	1,520	12.3
Cayuga.....	Nov. 1924	25	328.8	1,298	3.2
Chatham.....	Feb. 1915	60	15,218.0	68,746	9.5
Chatsworth.....	Dec. 1915	60	254.7	875	7.3
Chesley.....	July 1916	60	1,070.8	3,998	1.8
Chesterville.....	Apr. 1914	60	968.1	4,083	4.8
Chippawa.....	Sep. 1919	60	886.0	3,685	8.4
Clifford.....	May 1924	60	292.0	1,154	3.4
Clinton.....	Mar. 1914	60	1,826.5	8,199	3.1
Cobden.....	Dec. 1934	60	484.6	1,813	11.0
Cobourg.....	Mar. 1916	60	6,740.2	32,497	10.0
Colborne.....	Mar. 1916	60	698.3	2,886	5.5
Coldwater.....	Mar. 1913	60	342.3	1,374	6.9
Collingwood.....	Mar. 1913	60	4,879.3	20,027	9.7
Comber.....	May 1915	60	276.7	939	7.2
Cookstown.....	May 1918	60	279.4	1,037	11.8
Cottam.....	Feb. 1919	60	216.3	745	7.9
Courtright.....	Dec. 1923	60	146.5	542	4.3
Creemore.....	Nov. 1914	60	425.5	1,586	10.0
Dashwood.....	Sep. 1917	60	213.2	713	3.8
Delaware.....	Mar. 1915	60	224.4	724	9.8
Delhi.....	May 1938	25	2,270.0	7,016	7.4
Deseronto.....	Mar. 1916	60	674.4	3,383	0.4
Dorchester.....	Dec. 1914	60	356.3	1,196	13.8
Drayton.....	Mar. 1918	60	311.8	1,048	8.5
Dresden.....	Apr. 1915	60	951.8	4,277	0.1
Drumbo.....	Dec. 1914	25	219.2	718	8.0
Dublin.....	Oct. 1917	60	197.3	698	3.0
Dundalk.....	Dec. 1915	60	475.1	1,662	2.5
Dundas.....	Jan. 1911	60	5,961.4	26,122	16.0

†Local system

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Dunnville	June 1918	60	3,102.1	13,623	10.8
Durham	Dec. 1915	60	1,184.7	5,124	20.2
Dutton	Sep. 1915	60	363.4	1,292	0.8
East York Twp.	Dec. 1923	60	35,470.0	163,263	6.3
Eganville	Apr. 1952	60	329.0	1,187	37.3
Elmira	Nov. 1913	60	2,890.0	12,552	8.2
Elmvale	June 1913	60	522.9	2,053	8.9
Elmwood	Apr. 1918	60	168.0	469	4.9
Elora	Nov. 1914	60	698.5	2,831	3.6
Embro	Jan. 1915	25	345.5	1,266	9.2
Erieau	July 1924	60	308.1	1,418	11.9
Erie Beach	July 1925	60	43.0	133	26.6
Erin	Jan. 1945	60	426.0	1,594	16.8
Essex	Feb. 1919	60	1,392.9	6,086	8.1
Etobicoke Twp.	Aug. 1917	60	77,883.6	377,167	24.5
Exeter	June 1916	60	1,749.9	7,189	6.8
Fergus	Nov. 1914	60	2,884.0	11,478	13.9
Finch	Feb. 1928	60	187.2	722	1.3
Flesherton	Dec. 1915	60	317.0	1,011	5.9
Fonthill	June 1926	25	998.8	4,093	6.1
Forest	Mar. 1917	60	1,108.8	5,580	12.0
Forest Hill	Jan. 1938	60	12,979.0	59,955	6.9
Frankford	Oct. 1937	60	535.2	2,052	22.8
Galt	May 1911	60	20,619.1	87,594	9.7
Georgetown	Sep. 1913	60	4,791.2	23,239	15.7
Glencoe	Aug. 1920	60	492.6	1,784	16.7
Goderich	Feb. 1914	60	3,664.9	17,137	5.7
Grand Bend	July 1954	60	428.7	2,291	6.9
Grand Valley	Dec. 1916	60	414.8	1,355	0.9
Granton	July 1916	60	107.5	356	6.3
Gravenhurst	Nov. 1915	60	2,363.6	11,114	5.8
Grimsby	Jan. 1930	25	2,363.0	10,400	12.5
Guelph	Dec. 1910	60	25,693.5	115,835	3.7
Hagersville	Sep. 1913	25	1,654.6	6,558	4.7
Hamilton	Feb. 1911	25 & 60	252,721.3	1,504,687	13.2
Hanover	Sep. 1916	60	3,297.7	12,129	8.9
Harriston	July 1916	60	1,041.7	4,598	3.6
Harrow	Feb. 1919	60	1,136.2	4,477	9.8
Hastings	June 1931	60	391.2	1,384	12.2
Havelock	Feb. 1921	60	431.7	1,551	8.8
Hawkesbury	June 1952	60	2,307.0	10,364	16.8
Hensall	Jan. 1917	60	678.9	2,582	19.7
†Hepworth	Apr. 1930	60	109.6	382	10.0
Hespeler	Feb. 1911	60	5,709.6	25,213	5.5
Highgate	Dec. 1916	60	191.7	530	10.1

†Local system

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Fre- quency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Holstein.....	May 1916	60	91.1	339	6.5
Huntsville.....	Sep. 1916	60	2,300.0	11,880	5.2
Ingersoll.....	May 1911	25 & 60	4,713.2	21,371	7.2
Iroquois.....	Feb. 1940	60	713.8	3,050	18.3
Jarvis.....	Feb. 1924	25	342.8	1,277	3.5
Kemptville.....	Dec. 1921	60	1,159.1	5,081	8.2
Kincardine.....	Mar. 1921	60	1,612.3	7,916	6.5
Kingston.....	Dec. 1917	60	34,667.6	169,813	9.5
Kingsville.....	Feb. 1919	60	1,850.8	6,856	2.9
Kirkfield.....	June 1920	60	72.0	236	4.6
Kitchener.....	Jan. 1911	60	53,402.5	262,687	6.6
Lakefield.....	Aug. 1920	60	1,074.2	7,409	8.9
Lambeth.....	Apr. 1915	60	940.4	2,896	7.3
Lanark.....	Sep. 1921	60	301.3	1,046	10.9
Lancaster.....	May 1921	60	225.5	838	19.8
La Salle.....	Nov. 1925	60	1,068.1	4,322	12.1
Leamington.....	Feb. 1919	60	4,816.5	21,378	7.0
Lindsay.....	Mar. 1916	60	6,597.2	32,936	9.0
Listowel.....	June 1916	60	2,496.7	10,673	8.6
London.....	Jan. 1911	60	58,848.2	324,014	8.2
London Twp.....	Sep. 1917	60	1,679.6	5,898	3.4
Long Branch.....	Jan. 1931	60	6,126.5	27,536	9.8
L'Orignal.....	June 1952	60	241.5	926	13.8
Lucan.....	Feb. 1915	60	575.9	2,036	3.5
Lucknow.....	Jan. 1921	60	459.0	2,038	3.2
Lynden.....	Nov. 1915	60	276.8	911	12.0
Madoc.....	Mar. 1916	60	825.7	3,409	23.8
Magnetawan.....	July 1951	60	70.0	251	13.0
Markdale.....	Mar. 1916	60	571.5	2,112	6.6
Markham.....	Apr. 1920	60	1,867.5	6,752	26.4
Marmora.....	Jan. 1921	60	660.0	2,466	13.6
Martintown.....	May 1921	60	135.3	432	11.5
Maxville.....	Feb. 1921	60	365.2	1,288	10.8
Meaford.....	Jan. 1924	60	1,996.9	9,966	14.5
Merlin.....	Dec. 1922	60	264.5	913	5.8
Merrickville.....	July 1950	60	428.7	1,708	8.3
Merritton.....	Nov. 1920	60	16,292.9	88,079	11.5
Midland.....	July 1911	60	5,867.0	26,456	13.0
Mildmay.....	Apr. 1930	60	464.0	1,567	9.1
Millbrook.....	Mar. 1916	60	371.9	1,459	4.8
Milton.....	Apr. 1913	60	3,805.0	16,002	16.2
Milverton.....	June 1916	60	835.6	2,830	10.3
Mimico.....	May 1912	60	6,968.8	33,121	10.6
Mitchell.....	Sep. 1911	60	1,519.1	6,519	4.3
Moorefield.....	Mar. 1918	60	196.2	640	0.1

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Morrisburg.....	June 1938	60	1,193.3	5,518	17.1
Mount Brydges.....	Mar. 1915	60	262.9	1,074	11.7
Mount Forest.....	Dec. 1915	60	1,459.0	5,893	7.7
Napanee.....	Mar. 1916	60	2,850.0	12,784	6.0
Neustadt.....	Dec. 1918	60	292.2	1,030	3.4
Newboro.....	Dec. 1948	60	72.0	251	6.0
Newburgh.....	Mar. 1916	60	212.0	734	5.8
Newbury.....	Mar. 1921	60	103.5	357	4.0
Newcastle.....	Mar. 1916	60	694.6	2,934	8.7
New Hamburg.....	Mar. 1911	60	1,119.9	4,678	8.3
Newmarket.....	Dec. 1920	60	4,853.8	20,442	18.4
New Toronto.....	Feb. 1914	60	18,120.5	88,887	0.2
Niagara.....	Aug. 1919	60	1,684.5	8,090	3.1
Niagara Falls.....	Dec. 1915	25 & 60	16,660.0	81,423	1.8
North York Twp.....	Nov. 1923	60	117,461.5	520,663	22.9
Norwich.....	May 1912	25	978.0	3,783	9.5
Norwood.....	Feb. 1921	60	426.7	1,972	10.8
Oakville.....	Jan. 1930	60	8,610.0	37,836	16.6
Oil Springs.....	Feb. 1918	60	218.5	1,144	2.1
Omeme.....	Jan. 1918	60	397.4	1,496	6.2
Orangeville.....	July 1916	60	2,410.0	10,033	13.1
Orillia.....	Jan. 1954	60	6,753.1	15,964	49.2
Orono.....	Mar. 1916	60	360.5	1,420	8.1
Oshawa.....	Mar. 1916	60	52,948.8	234,113	14.7
Ottawa.....	Jan. 1914	60	132,548.0	527,465	14.3
Otterville.....	Feb. 1916	25	335.3	1,331	10.4
Owen Sound.....	Dec. 1915	60	10,819.0	48,388	6.9
Paisley.....	Sep. 1923	60	419.0	1,507	5.2
Palmerston.....	July 1916	60	1,047.2	4,736	5.8
Paris.....	Feb. 1914	25	3,162.8	13,954	9.9
Parkhill.....	May 1920	60	654.7	2,557	5.1
Parry Sound.....	Aug. 1946	60	1,579.0	6,043	6.9
Penetanguishene.....	July 1911	60	2,184.4	10,142	7.5
Perth.....	Feb. 1919	60	3,306.5	13,607	8.5
Peterborough.....	Mar. 1913	60	33,363.4	170,920	12.2
Petrolia.....	May 1916	60	1,545.7	7,165	5.2
Pictou.....	Apr. 1919	60	3,404.5	14,404	7.0
Plattsville.....	Dec. 1914	25	465.6	1,749	8.5
Point Edward.....	Nov. 1916	60	3,855.1	15,153	32.7
Port Burwell.....	Aug. 1955	25	181.9	722	....
†Port Carling.....	Apr. 1929	60	279.2	1,826	12.2
Port Colborne.....	Mar. 1920	25 & 60	5,400.0	27,262	12.0
Port Credit.....	Aug. 1912	60	5,155.2	26,514	18.9
Port Dalhousie.....	Nov. 1912	60	1,378.1	7,668	5.2
Port Dover.....	Dec. 1921	25	1,727.0	7,592	17.5

†Local system

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Port Elgin.....	Apr. 1930	60	970.0	4,392	7.5
Port Hope.....	Mar. 1916	60	6,406.4	31,220	11.6
Port McNicoll.....	Jan. 1915	60	1,430.5	3,030	28.3
Port Perry.....	Sep. 1922	60	1,059.8	3,804	2.9
Port Rowan.....	Nov. 1926	25	230.0	890	0.9
Port Stanley.....	Apr. 1912	60	960.9	4,759	1.6
Prescott.....	Dec. 1913	60	2,845.9	12,989	10.8
Preston.....	Jan. 1911	60	7,929.0	32,111	10.4
Priceville.....	Mar. 1921	60	41.5	148	6.9
Princeton.....	Jan. 1915	25	218.7	820	3.4
Queenston.....	Mar. 1921	60	282.1	1,411	3.2
Renfrew.....	Dec. 1944	60	3,032.9	10,131	0.6
Richmond.....	Aug. 1928	60	369.1	1,303	11.1
Richmond Hill.....	June 1925	60	5,653.5	19,118	65.6
Ridgetown.....	Dec. 1915	60	1,175.8	4,509	11.6
Ripley.....	Jan. 1921	60	260.5	905	5.1
Riverside.....	Nov. 1922	60	5,594.6	20,941	11.1
Rockland.....	Apr. 1954	60	735.0	2,745	12.7
Rockwood.....	Sep. 1913	60	379.8	1,437	4.8
Rodney.....	Feb. 1917	60	423.7	1,462	3.1
Rosseau.....	July 1931	60	53.1	297	8.6
Russell.....	Feb. 1926	60	218.6	820	9.1
St. Catharines.....	Apr. 1914	60	40,447.4	188,988	11.2
St. Clair Beach.....	Nov. 1922	60	493.4	1,720	44.3
St. George.....	Sep. 1915	25	405.2	1,732	4.4
St. Jacobs.....	Sep. 1917	60	393.0	1,447	2.2
St. Mary's.....	May 1911	60	2,611.0	12,934	6.9
St. Thomas.....	Apr. 1911	60	12,674.0	64,020	7.5
Sandwich East Twp....	Oct. 1956	60	5,808.3	6,555	....
Sandwich West Twp....	Mar. 1956	60	8,090.4	24,805	....
Sarnia.....	Dec. 1916	60	34,601.2	206,474	7.6
Scarborough Twp.....	Aug. 1918	60	98,963.6	417,878	27.7
Seaforth.....	Nov. 1911	60	1,626.0	7,104	14.5
Shelburne.....	July 1916	60	773.3	3,009	11.0
Simcoe.....	Apr. 1915	25	5,731.0	24,552	7.3
Smith's Falls.....	Sep. 1918	60	6,256.8	26,711	4.1
Smithville.....	Jan. 1930	25	527.3	1,792	3.6
Southampton.....	Apr. 1930	60	851.4	4,265	8.0
Springfield.....	Aug. 1917	25	228.3	727	17.4
Stamford Twp.....	Nov. 1916	60	14,221.8	64,031	11.3
Stayner.....	Oct. 1913	60	790.0	3,293	6.9
Stirling.....	Mar. 1916	60	780.4	2,998	4.0
Stoney Creek.....	Jan. 1930	60	2,806.7	11,687	24.0
Stouffville.....	Sep. 1923	60	1,482.0	5,484	14.2
Stratford.....	Jan. 1911	60	13,791.3	67,054	10.3

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Strathroy.....	Dec. 1914	60	2,725.4	13,481	10.5
Streetsville.....	Dec. 1934	60	2,103.1	8,659	32.6
Sunderland.....	Nov. 1914	60	317.5	1,141	11.0
Sundridge.....	June 1952	60	226.1	945	27.4
Sutton.....	Aug. 1923	60	778.0	3,680	5.5
Swansea.....	Oct. 1937	60	5,289.1	26,326	7.6
Tara.....	Feb. 1918	60	245.9	942	5.2
Tavistock.....	Nov. 1916	60	779.3	3,640	0.7
Tecumseh.....	Nov. 1922	60	1,173.0	5,510	3.7
Teeswater.....	Dec. 1920	60	428.6	1,838	5.3
Thamesford.....	Feb. 1914	60	460.7	1,728	10.4
Thamesville.....	Oct. 1915	60	549.6	2,073	11.6
Thedford.....	May 1922	60	340.8	1,363	9.4
Thornbury.....	Sep. 1944	60	461.5	1,650	9.8
Thorndale.....	Mar. 1914	60	229.0	724	8.4
Thornton.....	Nov. 1918	60	121.0	336	10.3
Thorold.....	Jan. 1921	25 & 60	9,739.6	60,417	22.9
Tilbury.....	Apr. 1915	60	1,202.0	5,473	9.9
Tillsonburg.....	Aug. 1911	25	4,043.2	16,615	9.6
Toronto.....	June 1911	25 & 60	538,313.0	2,956,181	5.7
Toronto Twp.....	Aug. 1913	60	36,512.4	177,667	14.9
Tottenham.....	Oct. 1918	60	328.0	1,383	7.2
Trafalgar Twp.....	Dec. 1923	60	6,471.9	25,123	36.2
Trenton.....	Mar. 1916	60	12,816.5	58,208	11.7
Tweed.....	Mar. 1916	60	862.5	3,692	4.7
Uxbridge.....	Sep. 1922	60	1,092.0	4,957	15.3
Vankleek Hill.....	June 1952	60	445.5	1,563	16.2
Victoria Harbour.....	July 1914	60	222.9	1,014	6.6
Walkerton.....	Apr. 1930	60	2,109.0	8,662	6.7
Wallaceburg.....	Feb. 1915	60	7,153.0	39,944	1.5
Wardsville.....	June 1921	60	145.7	508	4.6
Warkworth.....	Oct. 1923	60	223.0	761	5.4
Wasaga Beach.....	Jan. 1953	60	226.0	1,989	5.2
Waterdown.....	Nov. 1911	60	971.4	3,809	11.0
Waterford.....	Apr. 1915	25	835.0	3,231	4.9
Waterloo.....	Dec. 1910	60	13,108.5	60,545	14.9
Watford.....	Sep. 1917	60	862.6	3,350	9.6
Waubashene.....	Dec. 1914	60	216.0	978	18.5
Welland.....	Sep. 1917	60	13,452.1	63,335	6.0
Wellesley.....	Nov. 1916	60	371.5	1,237	8.8
Wellington.....	Apr. 1919	60	456.2	2,074	3.0
West Lorne.....	Jan. 1917	60	886.6	3,315	1.3
Weston.....	Aug. 1911	60	8,006.5	39,549	1.4
Westport.....	Nov. 1931	60	310.2	1,187	8.3
Wheatley.....	Feb. 1924	60	609.4	2,599	5.4

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
SOUTHERN ONTARIO SYSTEM—Concluded		cycles	kw	'000 kwh	per cent
Whitby.....	Mar. 1916	60	8,281.6	38,060	48.7
Warton.....	Apr. 1930	60	1,030.0	4,740	6.0
Williamsburg.....	Apr. 1915	60	191.0	764	11.5
Winchester.....	Jan. 1914	60	921.1	3,919	6.3
Windermere.....	June 1930	60	43.8	412	1.2
Windsor.....	Oct. 1914	60	78,719.1	381,751	4.2
Wingham.....	Dec. 1920	60	1,681.8	8,203	12.8
Woodbridge.....	Dec. 1914	60	2,037.2	9,963	3.1
Woodstock.....	Jan. 1911	25 & 60	15,305.9	76,913	9.8
Woodville.....	Nov. 1914	60	190.6	645	4.2
Wyoming.....	Nov. 1916	60	355.3	1,186	24.2
York Twp.....	Jan. 1913	60	56,210.0	279,931	10.6
Zurich.....	Sep. 1917	60	311.8	1,162	7.3
NORTHERN ONTARIO PROPERTIES					
Atikokan Twp.....	Dec. 1944	60	3,044.2	13,002	14.5
†Beardmore.....	June 1937	60	388.7	1,478	4.3
†Blind River.....	Nov. 1954	60	1,405.7	5,774	36.7
Cache Bay.....	Dec. 1950	60	129.2	1,154	8.8
Capreol.....	May 1935	60	1,346.0	5,932	10.4
Chapleau Twp.....	Aug. 1955	60	414.3	411	....
†Cobalt.....	Jan. 1945	60	1,089.2	4,085	7.5
Cochrane.....	Dec. 1952	60	2,147.8	10,632	9.1
Coniston.....	Sep. 1956	60	738.9	1,017	....
Dryden.....	Feb. 1954	60	2,409.4	10,846	16.4
†Elk Lake Townsite....	Jan. 1945	25	266.3	894	8.6
†Englehart.....	Jan. 1945	60	800.0	3,310	9.6
Fort William.....	Oct. 1926	60	32,405.0	180,303	6.5
†Geraldton.....	Feb. 1937	60	1,153.0	5,057	9.9
†Gogama.....	Aug. 1956	25	100.4	106	....
†Haileybury.....	Jan. 1945	60	1,376.4	5,712	10.3
Hearst.....	Apr. 1952	60	794.2	3,358	15.6
†Hornepayne.....	Feb. 1955	60	452.5	2,308	....
†Hudson Townsite.....	Oct. 1939	60	151.5	696	5.9
†Ignace.....	Dec. 1954	60	129.3	763	86.9
†Jellicoe Townsite.....	Dec. 1951	60	58.7	242	64.7
Kapuskasing.....	Aug. 1953	60	3,216.8	12,387	15.5
†Kearns Townsite.....	Dec. 1938	25	214.0	869	6.1
†King Kirkland Townsite	Dec. 1936	25	80.7	305	1.1
†Kirkland Lake.....	Jan. 1945	25 & 60	7,334.6	26,608	3.8

†Local system

**POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES
TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS**

Municipality	Date of first delivery	Frequency December 1956	Peak load December 1956	Energy supplied during 1956	Increase or decrease in energy consumption 1956 over 1955
NORTHERN ONTARIO PROPERTIES—Concluded		cycles	kw	'000 kwh	per cent
Larder Lake Twp.	Mar. 1949	60	669.1	3,024	4.7
Latchford.	Apr. 1950	60	118.5	362	3.6
Massey.	Dec. 1952	60	260.5	955	13.2
†Matachewan Twp.	Apr. 1935	25	287.7	1,176	1.7
†Matheson.	Dec. 1935	25	506.5	2,075	10.9
†Mattawa.	Jan. 1953	60	1,043.4	5,331	9.0
McGarry.	Mar. 1949	60	840.0	3,375	11.8
†New Liskeard.	Jan. 1945	60	3,023.4	12,760	18.3
Nipigon Twp.	Jan. 1925	60	1,097.0	4,890	15.4
North Bay.	Mar. 1916	60	13,422.8	57,937	9.7
†Pickle Lake Landing Townsite.	Aug. 1952	60	67.7	212	56.8
Port Arthur.	Dec. 1910	60	38,443.0	173,549	12.5
†Powassan.	Mar. 1916	60	462.3	1,743	47.8
†Red Lake Townsite.	June 1938	60	1,124.7	4,890	4.2
Red Rock.	Feb. 1948	60	614.0	3,058	7.7
Schreiber Twp.	Nov. 1948	60	966.1	4,291	7.4
Sioux Lookout.	Sep. 1939	60	1,420.1	7,038	6.1
†South Porcupine Townsite.	Jan. 1945	25	1,937.5	7,798	7.7
Sturgeon Falls.	Apr. 1951	60	1,833.6	7,389	15.2
Sudbury.	Feb. 1930	60	25,861.0	121,914	8.8
Terrace Bay.	Jan. 1948	60	1,282.4	6,210	0.1
Thessalon.	May 1956	60	526.2	1,635	....
†Thornloe.	Jan. 1945	60	28.6	130	....
†Timmins.	Jan. 1945	25	12,111.6	47,095	11.0
Webbwood.	Dec. 1952	60	103.2	374	5.4
West Ferris Twp.	Apr. 1954	60	2,061.4	7,933	25.3

†Local system

APPENDIX II—FINANCIAL

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SOUTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	Balance in service at January 1, 1956	Changes during	
		Placed in service	Equipment relocated and reclassified
	\$	\$	\$
Power System			
HYDRO-ELECTRIC GENERATING STATIONS			
Niagara River			
Sir Adam Beck-Niagara No. 1.....	76,712,516	1,444,394	6,898,167
Sir Adam Beck-Niagara No. 2.....	248,908,754	2,929,444	602,000
Ontario Power.....	21,802,556	1,663	.....
Toronto Power.....	11,452,028	.....	.....
Welland Canal			
DeCew Falls.....	27,425,266	306,057	20,054
St. Lawrence River			
St. Lawrence Power Project (see note).....	.....	3,772,587	3,772,587
Ottawa River			
Des Joachims.....	73,164,755	50,327	.....
Otto Holden.....	57,501,308	126,552	.....
Chenaux.....	29,226,851	16,584	4,357
Chats Falls.....	8,867,667	17,926	.....
Ogoki Diversion.....	5,044,689	.....	.....
Madawaska River			
Stewartville.....	12,204,719	5,751	.....
Barrett Chute.....	4,898,826	1,333	.....
Other properties.....	21,171,874	82,172	7,686
	598,381,809	8,740,622	2,500,197
THERMAL-ELECTRIC GENERATING STATIONS			
J. Clark Keith—Windsor.....	46,219,347	95,379	.....
Richard L. Hearn—Toronto.....	47,686,041	178,489	.....
Other properties.....	378,902	23,207	2,036
	94,284,290	297,075	2,036
Total generating stations.....	692,666,099	9,037,697	2,502,233
TRANSFORMER STATIONS			
230-kv.....	68,338,894	2,146,707	3,903,192
Other—Niagara Division.....	94,584,106	3,857,260	8,024,472
—Georgian Bay Division.....	7,200,646	247,338	10,923
—Eastern Ontario Division....	19,294,908	2,158,565	265,439
Total transformer stations.....	189,418,554	8,409,870	4,397,642
TRANSMISSION LINES			
230-kv.....	77,005,047	2,068,917	7,000
Other—Niagara Division.....	52,627,246	5,169,051	600,046
—Georgian Bay Division.....	7,756,189	247,294	46,609
—Eastern Ontario Division....	22,207,597	1,592,136	871,551
Total transmission lines.....	159,596,079	9,077,398	1,431,988

NOTE: The cost of the St. Lawrence Power Project under construction at December 31, 1956, \$124,496,936, includes generation, transformation, transmission, and rural distribution facilities.

SYSTEM

ASSETS

Year 1956 and Balances at December 31, 1956

year				
	Balance in service at December 31, 1956	Under construction at December 31, 1956	Total fixed assets at December 31, 1956	Expenditures during 1956
Sales and retirements				
\$	\$	\$	\$	\$
1,178,152	83,876,925	59,790	83,936,715	1,056,372
2,975	251,233,223	34,812,266	286,045,489	19,546,822
.....	21,804,219	.....	21,804,219	1,484
.....	11,452,028	14,024	11,466,052	14,024
145,058	27,566,211	33,184	27,599,395	51,686
.....	.....	124,496,936	124,496,936	84,674,598
100	73,214,982	180,527	73,395,509	230,854
.....	57,627,860	39,357	57,667,217	121,151
.....	29,247,792	35,991	29,283,783	52,575
256,104	9,141,697	13,732	9,155,429	30,924
.....	5,044,689	.....	5,044,689	.....
.....	12,198,968	98,370	12,297,338	32,005
.....	4,897,493	.....	4,897,493	1,333
32,158	21,214,202	735,855	21,950,057	712,776
1,102,339	608,520,289	160,520,032	769,040,321	106,523,938
.....	46,314,726	28,014	46,342,740	43,271
.....	47,864,530	1,750,397	49,614,927	1,925,021
87,845	316,300	434,888	751,188	422,446
87,845	94,495,556	2,213,299	96,708,855	2,390,738
1,190,184	703,015,845	162,733,331	865,749,176	108,914,676
20,258	74,368,535	733,624	75,102,159	1,890,614
1,112,603	89,304,291	5,779,690	95,083,981	7,326,129
71,883	7,365,178	294,361	7,659,539	341,358
1,109,567	20,078,467	468,223	20,546,690	1,737,349
2,314,311	191,116,471	7,275,898	198,392,369	11,295,450
78,919	79,002,045	2,782,958	81,785,003	2,376,262
727,779	57,668,564	1,713,050	59,381,614	4,227,339
68,690	7,888,184	108,276	7,996,460	287,077
318,762	24,352,522	434,381	24,786,903	1,451,965
1,194,150	168,911,315	5,038,665	173,949,980	8,342,643

SOUTHERN ONTARIO
FIXED
Statement Showing Changes During

Property	Balance in service at January 1, 1956	Changes during	
		Placed in service	Equipment relocated and reclassified
	\$	\$	\$
Power System—(continued)			
LOCAL SYSTEMS			
Niagara Division	136,489	2,123	10,278
Georgian Bay Division.	210,622	8,904	3,937
Eastern Ontario Division.	258,940	98,692	.....
Total local systems.	606,051	109,719	14,215
COMMUNICATIONS	11,770,232	319,615	40,848
Total power system.	1,054,057,015	26,954,299	408,358
Administrative and Service Buildings and Equipment			
BUILDINGS	18,699,334	1,064,253	95,722
EQUIPMENT	5,526,885	697,496	.....
Total administrative and service buildings and equipment.	24,226,219	1,761,749	95,722
Rural Power District.	166,820,441	16,197,843	312,636
Total fixed assets.	1,245,103,675	44,913,891	.....

Changes in Assets under Construction During 1956

Under construction at January 1, 1956.	\$ 76,789,370
Expenditures during 1956.	145,560,149
	\$ 222,349,519
Less—Placed in service during 1956.	44,913,891
Under construction at December 31, 1956.	\$ 177,435,628

SYSTEM

ASSETS

Year 1956 and Balances at December 31, 1956

year				
Sales and retirements	Balance in service at December 31, 1956	Under construction at December 31, 1956	Total fixed assets at December 31, 1956	Expenditures during 1956
\$	\$	\$	\$	\$
2,469	146,421	.....	146,421	710
2,652	220,811	9,648	230,459	18,552
357,632	.....	.....	.....	4,650
362,753	367,232	9,648	376,880	23,912
122,070	12,008,625	289,899	12,298,524	455,121
5,183,468	1,075,419,488	175,347,441	1,250,766,929	129,031,802
121,904	19,737,405	843,983	20,581,388	823,202
1,108,717	5,115,664	.....	5,115,664	697,496
1,230,621	24,853,069	843,983	25,697,052	1,520,698
5,091,323	178,239,597	1,244,204	179,483,801	15,007,649
11,505,412	1,278,512,154	177,435,628	1,455,947,782	145,560,149

Summary of Sales and Retirements During 1956

Charged to operations.....	\$ 56,446
Charged to accumulated depreciation.....	5,532,502
Proceeds from sales credited to fixed assets account.....	5,916,464
	<u>\$ 11,505,412</u>

SOUTHERN ONTARIO

ACCUMULATED DEPRECIATION

December 31, 1956

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balances at January 1, 1956..	110,568,781	26,675,048	3,858,099	141,101,928
Add:				
Interest at 3% per annum on accumulated deprecia- tion required on plant not fully depreciated.....	2,835,532	777,039	37,477	3,650,048
Provision in the year				
—direct (see note).....	10,008,431	5,188,568	.....	15,196,999
—indirect.....	.....	.....	847,703	847,703
Salvage recoveries less re- moval costs of assets re- tired.....	265,084	710,771	188	975,667
Adjustments re transfer of equipment.....	128,992	43,306	85,686	.....
Other adjustments.....	294,906	19,938	104,940	379,908
	123,843,742	33,374,794	4,933,717	162,152,253
Deduct:				
Cost of fixed assets retired and accumulated deprecia- tion on fixed assets sold	2,468,883	2,471,441	592,178	5,532,502
Balances at December 31, 1956	121,374,859	30,903,353	4,341,539	156,619,751

NOTE—The provision in the year includes an additional 1% provision amounting to \$1,740,774 for the Rural Power District fixed assets in service.

SYSTEM

FREQUENCY STANDARDIZATION ACCOUNT

December 31, 1956

Balance at debit at January 1, 1956		\$111,487,275
Expenditures for frequency standardization work completed during		
year	\$ 44,490,790	
Less industrial customers' contributions	2,434,260	
	\$ 42,056,530	
Less portion of cost charged to cost of power for the year	11,800,480	
		30,256,050
Balance at debit at December 31, 1956		\$141,743,325

SOUTHERN ONTARIO

STATEMENTS OF RESERVES,

Stabilization of Rates and Contingencies

	General reserve		Special reserve for maximum cost of power	Rural Power District rates suspense	Total
	Power system	Rural Power District			
	\$	\$	\$	\$	\$
Balances at January 1, 1956.....	77,807,108	1,469,951	461,032	60,018	79,798,109
Add:					
Interest for year on reserve balances (Note 1)	2,528,731	47,773	18,441	2,401	2,597,346
Provision in the year...	9,618,903	.....	.....	.....	9,618,903
Excess of revenue over costs of supplying power to Rural Power District customers...	.....	.....	.....	47,254	47,254
Transfer from employer's liability insurance fund of excess reserve accumulated in prior years.....	1,293,750	.....	.....	.....	1,293,750
Proceeds from sale of auxiliary generating equipment previously written off.....	998,984	.....	.....	.....	998,984
Profit on redemption of funded debt and other credits.....	490,810	.....	.....	.....	490,810
	92,738,286	1,517,724	479,473	109,673	94,845,156
Deduct:					
Withdrawals in year applied in reduction of cost of power (Note 2).....	353,782	.....	18,441	.....	372,223
Balances at December 31, 1956.....	92,384,504	1,517,724	461,032	109,673	94,472,933

NOTE 1—Interest for the year on the general reserve balances was credited at 3.25%, which reflected the actual earnings on the investments held for these reserves. Interest on the other reserve balances was at 4%.

NOTE 2—The special accounts amounting to \$353,782 held for the benefit of the municipalities of the Georgian Bay and Eastern Ontario Divisions were withdrawn from the power system reserve and applied in reduction of the cost of power to these municipalities in 1956.

SYSTEM**DECEMBER 31, 1956****Exchange Discount and Premium on Funded Debt**

	Discount	Premium
	\$	\$
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1956	3,306,015	4,807,160
Discount on \$45,000,000 bonds issued May 15, 1956	801,971	.....
Balances at December 31, 1956	4,107,986	4,807,160

Sinking Fund

	Power system and Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$
Balances at January 1, 1956	191,140,540	2,408,570	193,549,110
Add:			
Interest at 4% per annum on reserve balance	7,645,617	96,343	7,741,960
Provision in the year—direct	12,191,682	.....	12,191,682
—indirect . . . . .	.....	207,271	207,271
	210,977,839	2,712,184	213,690,023
Deduct credits resulting from matured sinking funds (see note):			
Interest	42,871	.....	42,871
Principal	11,286	.....	11,286
	54,157	.....	54,157
Balances at December 31, 1956	210,923,682	2,712,184	213,635,866

NOTE: The matured sinking funds at January 1, 1956 amounted to \$1,071,785.

SOUTHERN ONTARIO

STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Acton.....	3,162.2	14,634.0	119,324.09	15,811.00	9,486.60
Ailsa Craig.....	244.1	981.2	9,605.51	1,220.50	732.30
Ajax.....	2,663.6	14,008.1	94,458.34	.....	7,990.80
Alexandria.....	1,187.1	5,160.3	45,538.66	.....	3,561.30
Alfred.....	212.1	824.8	8,457.97	.....	636.30
Alliston.....	1,170.1	6,535.0	49,935.91	.....	3,510.30
Almonte.....	844.0	3,000.5	29,041.86	.....	2,532.00
Alvinston.....	197.4	745.0	7,815.15	987.00	592.20
Amherstburg.....	2,461.0	13,588.0	97,047.93	12,305.00	7,383.00
Ancaster Twp.....	1,541.6	7,299.6	51,343.84	7,708.00	4,624.80
Apple Hill.....	75.5	308.0	2,779.94	.....	226.50
Arkona.....	218.0	867.7	8,265.95	1,090.00	654.00
Arnprior.....	3,294.6	15,622.9	116,304.79	.....	9,883.80
Arthur.....	498.6	2,248.0	19,970.06	.....	1,495.80
Athens.....	264.9	1,274.4	9,744.87	.....	794.70
Aurora.....	2,472.8	13,806.4	86,280.89	12,364.00	7,418.40
Aylmer.....	2,606.0	13,090.3	99,998.75	13,030.00	7,818.00
Ayr.....	494.6	2,012.8	18,287.64	2,473.00	1,483.80
Baden.....	362.8	1,472.5	12,425.53	1,814.00	1,088.40
Bancroft.....	347.7	1,470.4	15,988.42	.....	1,043.10
Barrie.....	10,868.3	59,242.0	360,197.52	.....	32,604.90
Barry's Bay.....	207.5	902.1	9,275.93	.....	622.50
Bath.....	225.4	975.4	8,393.25	.....	676.20
Beachville.....	1,273.2	8,132.0	47,812.36	6,366.00	3,819.60
Beamsville.....	1,173.0	6,127.2	44,799.44	5,865.00	3,519.00
Beaverton.....	709.0	3,254.1	30,948.13	.....	2,127.00
Beeton.....	295.7	1,374.0	13,256.68	.....	887.10
Belle River.....	499.9	2,347.4	19,395.25	2,499.50	1,499.70
Belleville.....	13,500.2	73,784.3	431,751.72	.....	40,500.60
Blenheim.....	1,050.2	4,899.0	38,690.81	5,251.00	3,150.60
Bloomfield.....	307.8	1,356.7	12,976.48	.....	923.40
Blyth.....	445.6	2,056.4	17,252.40	2,228.00	1,336.80
Bobcaygeon.....	501.4	2,222.8	18,787.14	.....	1,504.20
Bolton.....	560.7	2,630.6	21,676.88	2,803.50	1,682.10
Bothwell.....	293.5	1,179.5	11,864.45	1,467.50	880.50
Bowmanville.....	4,675.0	23,825.7	154,794.71	.....	14,025.00
Bracebridge.....	210.8	151.2	6,892.51	.....	632.40
Bradford.....	1,089.8	5,520.0	41,756.90	.....	3,269.40
Braeside.....	309.0	930.4	10,139.82	.....	927.00
Brampton.....	7,522.7	36,268.6	231,171.84	37,613.50	22,568.10

SYSTEM

COST OF POWER

Ended December 31, 1956

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	5,987.36	138,634.33	146,251.75	7,617.42	46.25	43.84
.....	462.18	11,096.13	11,654.17	558.04	47.75	45.46
1,507.67	5,043.30	95,898.17	111,207.04	15,308.87	41.75	36.00
671.93	2,247.67	46,180.36	49,856.10	3,675.74	42.00	38.90
120.05	401.60	8,572.62	9,490.74	918.12	44.75	40.42
1,047.12	2,215.49	50,183.60	52,654.50	2,470.90	45.00	42.89
477.73	1,598.04	29,498.09	32,914.69	3,416.60	39.00	34.95
.....	373.76	9,020.59	9,378.07	357.48	47.50	45.70
.....	4,659.70	112,076.23	118,126.40	6,050.17	48.00	45.54
.....	2,918.89	60,757.75	65,517.28	4,759.53	42.50	39.41
42.74	142.95	2,820.75	3,134.96	314.21	41.50	37.36
.....	412.76	9,597.19	9,918.61	321.42	45.50	44.02
1,864.84	6,238.05	118,085.70	149,081.77	30,996.07	45.25	35.84
446.20	944.06	20,075.60	20,942.25	866.65	42.00	40.26
149.94	501.57	9,888.06	10,462.25	574.19	39.50	37.33
.....	4,682.04	101,381.25	103,857.25	2,476.00	42.00	41.00
.....	4,934.24	115,912.51	121,177.83	5,265.32	46.50	44.48
.....	936.48	21,307.96	22,008.96	701.00	44.50	43.08
.....	686.93	14,641.00	15,420.41	779.41	42.50	40.36
196.81	658.34	16,176.37	17,730.13	1,553.76	51.00	46.53
9,726.03	20,578.22	362,498.17	385,824.36	23,326.19	35.50	33.35
117.45	392.88	9,388.10	10,220.19	832.09	49.25	45.24
127.58	426.78	8,515.09	9,182.99	667.90	40.75	37.78
.....	2,410.70	55,587.26	56,658.14	1,070.88	44.50	43.66
.....	2,220.98	51,962.46	53,959.93	1,997.47	46.00	44.30
634.48	1,342.43	31,098.22	32,438.27	1,340.05	45.75	43.86
264.62	559.88	13,319.28	13,973.40	654.12	47.25	45.04
.....	946.52	22,447.93	23,493.35	1,045.42	47.00	44.90
7,641.51	25,561.49	439,049.32	475,882.34	36,833.02	35.25	32.52
.....	1,988.46	45,103.95	48,309.20	3,205.25	46.00	42.95
174.22	582.79	13,142.87	13,771.80	628.93	44.75	42.70
.....	843.71	19,973.49	20,719.61	746.12	46.50	44.82
283.81	949.36	19,058.17	19,680.93	622.76	39.25	38.01
.....	1,061.64	25,100.84	25,934.29	833.45	46.25	44.77
.....	555.72	13,656.73	14,970.19	1,313.46	51.00	46.53
2,646.18	8,851.72	157,321.81	170,637.50	13,315.69	36.50	33.65
188.64	399.13	6,937.14	7,589.40	652.26	36.00	32.91
975.26	2,063.44	41,987.60	43,592.01	1,604.41	40.00	38.53
174.90	585.07	10,306.85	13,133.93	2,827.08	42.50	33.36
.....	14,243.60	277,109.84	314,074.11	36,964.27	41.75	36.84

SOUTHERN ONTARIO

STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standardization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Brantford.....	35,430.7	180,510.8	1,089,704.59	177,153.50	106,292.10
Brantford Twp.....	2,113.6	10,462.0	73,744.39	10,568.00	6,340.80
Brechin.....	92.8	403.8	4,101.50	.....	278.40
Bridgeport.....	555.2	2,583.8	19,706.71	2,776.00	1,665.60
Brigden.....	184.7	703.2	6,923.17	923.50	554.10
Brighton.....	988.9	4,956.3	37,124.34	.....	2,966.70
Brockville.....	11,682.4	59,001.9	366,540.82	.....	35,047.20
Bronte.....	628.9	3,269.6	22,784.34	3,144.50	1,886.70
Brussels.....	465.0	2,107.2	18,353.85	2,325.00	1,395.00
Burford.....	546.7	2,374.8	19,317.75	2,733.50	1,640.10
Burgessville.....	154.2	521.6	5,404.89	771.00	462.60
Burk's Falls.....	305.5	1,372.8	14,150.19	.....	916.50
Burlington.....	5,223.4	26,885.3	177,969.37	26,117.00	15,670.20
Caledonia.....	775.2	3,929.6	26,433.02	3,876.00	2,325.60
Campbellville.....	119.8	500.0	4,407.84	599.00	359.40
Cannington.....	456.5	2,072.8	20,716.68	.....	1,369.50
Cardinal.....	722.6	3,430.6	28,001.30	.....	2,167.80
Carleton Place.....	2,684.2	13,101.2	102,763.44	.....	8,052.60
Casselman.....	355.2	1,520.4	14,009.94	.....	1,065.60
Cayuga.....	277.6	1,298.3	10,216.14	1,388.00	832.80
Chatham.....	13,797.8	68,746.1	422,106.07	68,989.00	41,393.40
Chatsworth.....	202.3	874.6	8,388.49	.....	606.90
Chesley.....	996.4	3,998.0	37,328.95	.....	2,989.20
Chesterville.....	864.3	4,083.0	34,565.18	.....	2,592.90
Chippawa.....	727.8	3,685.0	25,178.29	3,639.00	2,183.40
Clifford.....	253.2	1,153.6	9,612.99	1,266.00	759.60
Clinton.....	1,630.6	8,199.3	57,169.00	8,153.00	4,891.80
Cobden.....	415.7	1,812.6	13,822.32	.....	1,247.10
Cobourg.....	6,449.8	32,496.6	254,795.78	.....	19,349.40
Colborne.....	584.0	2,885.6	23,317.88	.....	1,752.00
Coldwater.....	292.5	1,374.4	11,782.80	.....	877.50
Collingwood.....	4,511.6	20,027.1	177,606.28	.....	13,534.80
Comber.....	245.2	939.0	9,588.69	1,226.00	735.60
Cookstown.....	225.8	1,036.8	9,903.54	.....	677.40
Cottam.....	171.5	744.8	5,978.08	857.50	514.50
Courtright.....	124.3	542.2	4,571.68	621.50	372.90
Creemore.....	365.4	1,586.4	14,987.45	.....	1,096.20
Dashwood.....	197.6	712.8	7,987.99	988.00	592.80
Delaware.....	182.3	723.6	6,614.89	911.50	546.90
Delhi.....	1,617.6	7,016.0	59,215.40	8,088.00	4,852.80

SYSTEM

COST OF POWER

Ended December 31, 1956

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	67,085.03	1,306,065.16	1,381,797.29	75,732.13	39.00	36.86
.....	4,001.92	86,651.27	90,738.17	4,086.90	39.75	41.00
83.05	175.71	4,121.14	3,967.56	153.58	42.75	44.41
.....	1,051.22	23,097.09	23,040.80	56.29	41.50	41.60
.....	349.71	8,051.06	8,541.24	490.18	46.25	43.59
559.75	1,872.40	37,658.89	40,791.11	3,132.22	41.25	38.08
6,612.57	22,119.64	372,855.81	408,884.29	36,028.48	35.00	31.92
.....	1,190.77	26,624.77	27,044.13	419.36	43.00	42.34
.....	880.44	21,193.41	22,204.13	1,010.72	47.75	45.58
.....	1,035.13	22,656.22	23,509.89	853.67	43.00	41.44
.....	291.96	6,346.53	6,707.34	360.81	43.50	41.16
273.39	578.44	14,214.86	15,581.36	1,366.50	51.00	46.53
.....	9,890.07	209,866.50	220,688.65	10,822.15	42.25	40.18
.....	1,467.78	31,166.84	33,720.48	2,553.64	43.50	40.20
.....	226.83	5,139.41	5,511.95	372.54	46.00	42.90
408.52	864.34	20,813.32	21,682.55	869.23	47.50	45.59
409.01	1,368.18	28,391.91	30,169.25	1,777.34	41.75	39.29
1,519.33	5,082.31	104,214.40	111,394.99	7,180.59	41.50	38.83
201.05	672.54	14,201.95	15,449.02	1,247.07	43.50	39.98
.....	525.61	11,911.33	12,491.60	580.27	45.00	42.91
.....	26,124.97	506,363.50	534,664.75	28,301.25	38.75	36.70
181.04	383.04	8,431.31	8,951.04	519.73	44.25	41.68
891.68	1,886.60	37,539.87	39,857.34	2,317.47	40.00	37.68
489.22	1,636.48	35,032.38	37,811.67	2,779.29	43.75	40.53
.....	1,378.03	29,622.66	29,841.51	218.85	41.00	40.70
.....	479.41	11,159.18	11,771.48	612.30	46.50	44.07
.....	3,087.40	67,126.40	70,932.90	3,806.50	43.50	41.17
235.30	787.09	14,047.03	14,861.25	814.22	35.75	33.79
3,650.77	12,212.15	258,282.26	287,016.10	28,733.84	44.50	40.05
330.56	1,105.75	23,633.57	24,967.05	1,333.48	42.75	40.47
261.76	553.82	11,844.72	13,161.00	1,316.28	45.00	40.49
4,037.42	8,542.33	178,561.33	187,233.11	8,671.78	41.50	39.58
.....	464.27	11,086.02	11,706.71	620.69	47.75	45.21
202.07	427.53	9,951.34	10,329.57	378.23	45.75	44.07
.....	324.72	7,025.36	7,418.83	393.47	43.25	40.96
.....	235.35	5,330.73	5,563.88	233.15	44.75	42.89
327.00	691.85	15,064.80	15,804.61	739.81	43.25	41.23
.....	374.14	9,194.65	9,583.18	388.53	48.50	46.53
.....	345.17	7,728.12	8,110.85	382.73	44.50	42.39
.....	3,062.79	69,093.41	70,363.44	1,270.03	43.50	42.71

SOUTHERN ONTARIO

STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Deseronto.....	713.1	3,383.2	27,888.45	.....	2,139.30
Dorchester.....	265.7	1,196.2	9,710.47	1,328.50	797.10
Drayton.....	268.7	1,047.6	9,545.07	1,343.50	806.10
Dresden.....	859.2	4,277.2	32,887.92	4,296.00	2,577.60
Drumbo.....	186.4	718.1	7,466.48	932.00	559.20
Dublin.....	171.2	697.5	5,851.09	856.00	513.60
Dundalk.....	434.6	1,661.8	18,084.74	.....	1,303.80
Dundas.....	5,301.2	26,122.0	162,469.03	26,506.00	15,903.60
Dunnville.....	2,788.6	13,623.3	108,995.75	13,943.00	8,365.80
Durham.....	1,090.7	5,123.6	42,497.83	.....	3,272.10
Dutton.....	277.3	1,291.6	11,209.26	1,386.50	831.90
East York Twp.....	30,431.7	163,262.9	946,051.04	152,158.50	91,295.10
Eganville.....	263.0	1,186.9	9,472.96	.....	789.00
Elmira.....	2,752.5	12,552.1	96,375.34	13,762.50	8,257.50
Elmvale.....	448.2	2,053.0	17,621.75	.....	1,344.60
Elmwood.....	155.7	468.6	6,119.98	.....	467.10
Elora.....	645.8	2,831.5	25,346.92	3,229.00	1,937.40
Embro.....	295.6	1,266.0	10,837.81	1,478.00	886.80
Erieau.....	305.2	1,417.8	12,154.21	1,526.00	915.60
Erie Beach.....	45.6	133.4	1,709.30	228.00	136.80
Erin.....	361.7	1,593.6	14,209.91	.....	1,085.10
Essex.....	1,198.7	6,085.7	44,516.61	5,993.50	3,596.10
Etobicoke Twp.....	64,438.4	377,167.2	2,110,340.61	322,192.00	193,315.20
Exeter.....	1,511.9	7,189.2	58,889.91	7,559.50	4,535.70
Fergus.....	2,782.4	11,477.7	98,154.11	13,912.00	8,347.20
Finch.....	159.8	721.6	6,030.57	.....	479.40
Flesherton.....	245.9	1,010.8	8,892.66	.....	737.70
Fonthill.....	814.3	4,092.8	28,549.73	4,071.50	2,442.90
Forest.....	981.3	5,580.0	39,666.69	4,906.50	2,943.90
Forest Hill.....	10,857.5	59,955.0	338,209.65	54,287.50	32,572.50
Frankford.....	469.0	2,052.2	16,434.99	.....	1,407.00
Galt.....	18,990.2	87,594.0	568,246.50	94,951.00	56,970.60
Georgetown.....	4,444.6	23,238.8	154,874.05	22,223.00	13,333.80
Glencoe.....	385.2	1,784.1	15,392.87	1,926.00	1,155.60
Goderich.....	3,454.3	17,137.2	139,638.10	17,271.50	10,362.90
Grand Bend.....	560.6	2,291.2	22,660.93	2,803.00	1,681.80
Grand Valley.....	368.8	1,354.8	15,861.91	.....	1,106.40
Granton.....	93.8	355.6	3,398.65	469.00	281.40
Gravenhurst.....	2,157.8	11,114.4	79,918.92	.....	6,473.40
Grimsby.....	1,935.9	10,400.0	76,323.25	9,679.50	5,807.70

SYSTEM

COST OF POWER

Ended December 31, 1956

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
403.64	1,350.19	28,273.92	30,842.29	2,568.37	43.25	39.65
.....	503.08	11,332.99	12,022.92	689.93	45.25	42.65
.....	508.76	11,185.91	11,888.13	702.22	44.25	41.63
.....	1,626.82	38,134.70	39,738.76	1,604.06	46.25	44.38
.....	352.93	8,604.75	9,038.38	433.63	48.50	46.16
.....	324.15	6,896.54	7,575.22	678.68	44.25	40.28
388.92	822.88	18,176.74	19,120.19	943.45	44.00	41.82
.....	10,037.37	194,841.26	201,445.30	6,604.04	38.00	36.75
.....	5,279.98	126,024.57	131,063.02	5,038.45	47.00	45.19
976.07	2,065.15	42,728.71	44,992.07	2,263.36	41.25	39.18
.....	525.04	12,902.62	14,142.72	1,240.10	51.00	46.53
.....	57,619.85	1,131,884.79	1,164,013.47	32,128.68	38.25	37.19
148.87	497.97	9,615.12	10,849.11	1,233.90	41.25	36.56
.....	5,211.63	113,183.71	116,980.54	3,796.83	42.50	41.12
401.09	848.63	17,716.63	19,385.01	1,668.38	43.25	39.53
.....	294.80	6,152.94	6,580.07	427.13	42.25	39.52
.....	1,222.77	29,290.55	30,029.68	739.13	46.50	45.36
.....	559.69	12,642.92	13,081.77	438.85	44.25	42.77
.....	577.87	14,017.94	14,878.91	860.97	48.75	45.93
.....	86.34	1,987.76	2,085.80	98.04	45.75	43.59
.....	684.85	14,286.48	15,732.84	1,446.36	43.50	39.50
323.68	2,269.64	51,836.57	55,738.80	3,902.23	46.50	43.24
.....	122,008.66	2,503,839.15	2,609,755.86	105,916.71	40.50	38.86
.....	2,862.65	68,122.46	71,059.31	2,936.85	47.00	45.06
.....	5,268.24	115,145.07	116,858.70	1,713.63	42.00	41.38
.....	302.57	6,116.95	6,553.18	436.23	41.00	38.28
90.45	465.59	8,944.71	9,038.05	93.34	36.75	36.38
220.06	1,541.81	33,522.32	34,810.63	1,288.31	42.75	41.17
.....	1,858.01	45,659.08	50,047.56	4,388.48	51.00	46.53
.....	20,557.77	404,511.88	420,726.50	16,214.62	38.75	37.26
.....	888.01	16,688.51	17,704.44	1,015.93	37.75	35.58
265.47	35,956.34	684,211.76	707,385.55	23,173.79	37.25	36.03
.....	8,415.47	182,015.38	201,120.03	19,104.65	45.25	40.95
.....	729.34	17,745.13	18,391.70	646.57	47.75	46.07
.....	6,540.42	160,732.08	168,396.32	7,664.24	48.75	46.53
.....	1,061.45	26,084.28	28,591.45	2,507.17	51.00	46.53
.....	698.29	15,939.98	17,980.22	2,040.24	48.75	43.22
330.04	177.60	3,971.45	4,152.49	181.04	44.25	42.34
.....	1,931.01	40,375.70	41,996.38	1,620.68	38.00	37.25
.....	3,665.46	88,144.99	89,535.38	1,390.39	46.25	45.53

SOUTHERN ONTARIO

STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standardization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Guelph.....	23,775.3	115,835.4	713,979.31	118,876.50	71,325.90
Hagersville.....	1,611.6	6,558.4	57,081.55	8,058.00	4,834.80
Hamilton.....	236,663.9	1,504,686.7	7,574,628.41	1,183,319.50	709,991.70
Hanover.....	3,022.0	12,128.6	103,603.13	.....	9,066.00
Harriston.....	935.3	4,598.4	33,545.54	4,676.50	2,805.90
Harrow.....	994.3	4,477.4	36,959.47	4,971.50	2,982.90
Hastings.....	311.1	1,384.4	12,542.70	.....	933.30
Havelock.....	339.9	1,550.8	14,128.77	.....	1,019.70
Hawkesbury.....	2,041.0	10,364.1	63,615.68	.....	6,123.00
Hensall.....	608.1	2,581.6	22,522.23	3,040.50	1,824.30
Hespeler.....	5,454.4	25,212.6	171,330.59	27,272.00	16,363.20
Highgate.....	175.9	529.5	7,038.43	879.50	527.70
Holstein.....	83.3	338.9	3,330.58	.....	249.90
Huntsville.....	2,202.1	11,880.4	94,235.68	.....	6,606.30
Ingersoll.....	4,428.2	21,371.1	153,126.68	22,141.00	13,284.60
Iroquois.....	580.8	3,049.8	24,172.32	.....	1,742.40
Jarvis.....	272.7	1,277.4	10,410.55	1,363.50	818.10
Kemptville.....	1,110.5	5,080.5	42,979.62	.....	3,331.50
Kincardine.....	1,585.9	7,915.7	70,575.67	.....	4,757.70
Kingston.....	29,939.4	169,813.0	951,622.42	.....	89,818.20
Kingsville.....	1,410.3	6,856.0	47,346.28	7,051.50	4,230.90
Kirkfield.....	64.5	235.8	2,987.41	.....	193.50
Kitchener.....	49,282.8	262,687.4	1,369,051.91	246,414.00	147,848.40
Lakefield.....	1,283.5	7,408.8	43,729.67	.....	3,850.50
Lambeth.....	667.8	2,895.6	23,509.45	3,339.00	2,003.40
Lanark.....	240.4	1,046.1	8,852.69	.....	721.20
Lancaster.....	173.3	837.5	6,559.07	.....	519.90
La Salle.....	895.3	4,322.2	31,998.25	4,476.50	2,685.90
Leamington.....	4,080.0	21,378.4	145,059.82	20,400.00	12,240.00
Lindsay.....	5,812.2	32,936.1	211,693.52	.....	17,436.60
Listowel.....	2,337.9	10,672.6	79,932.16	11,689.50	7,013.70
London.....	54,572.0	324,013.6	1,733,901.87	272,860.00	163,716.00
London Twp.....	1,367.5	5,897.6	44,516.30	6,837.50	4,102.50
Long Branch.....	5,245.7	27,535.7	173,800.02	26,228.50	15,737.10
L'Orignal.....	220.5	926.0	8,455.95	.....	661.50
Lucan.....	457.8	2,035.6	18,504.74	2,289.00	1,373.40
Lucknow.....	424.9	2,038.4	18,959.52	.....	1,274.70
Lynden.....	230.2	911.2	8,076.51	1,151.00	690.60
Madoc.....	682.2	3,409.2	27,714.92	.....	2,046.60
Magnetawan.....	61.8	250.8	2,862.06	.....	185.40

SYSTEM

COST OF POWER

Ended December 31, 1956

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	45,016.52	859,165.19	909,404.58	50,239.39	38.25	36.14
.....	3,051.43	66,922.92	66,880.70	42.22	41.50	41.53
.....	448,103.06	9,019,836.55	9,170,726.43	150,889.88	38.75	38.11
2,704.38	5,721.90	104,242.85	111,816.47	7,573.62	37.00	34.49
.....	1,770.91	39,257.03	41,620.49	2,363.46	44.50	41.97
.....	1,882.62	43,031.25	44,990.18	1,958.93	45.25	43.28
176.09	589.04	12,710.87	13,843.22	1,132.35	44.50	40.86
192.39	643.57	14,312.51	15,550.43	1,237.92	45.75	42.11
1,155.26	3,864.46	64,718.96	69,393.14	4,674.18	34.00	31.71
.....	1,151.39	26,235.64	27,363.38	1,127.74	45.00	43.14
.....	10,327.44	204,638.35	214,085.18	9,446.83	39.25	37.52
.....	333.05	8,112.58	8,969.17	856.59	51.00	46.12
74.55	157.72	3,348.21	3,601.28	253.07	43.25	40.19
1,970.66	4,169.49	94,701.83	99,643.13	4,941.30	45.25	43.01
.....	8,384.42	180,167.86	189,305.18	9,137.32	42.75	40.69
328.75	1,099.70	24,486.27	26,571.98	2,085.71	45.75	42.16
.....	516.33	12,075.82	12,611.61	535.79	46.25	44.28
628.57	2,102.64	43,579.91	46,641.35	3,061.44	42.00	39.24
1,419.22	3,002.77	70,911.38	75,726.33	4,814.95	47.75	44.71
16,946.57	56,687.72	967,806.33	1,025,424.15	57,617.82	34.25	32.33
.....	2,670.28	55,958.40	59,230.85	3,272.45	42.00	39.68
57.72	122.13	3,001.06	2,900.23	100.83	45.00	46.53
.....	93,312.81	1,670,001.50	1,737,216.93	67,215.43	35.25	33.89
726.50	2,430.20	44,423.47	39,789.54	4,633.93	31.00	34.61
.....	1,264.42	27,587.43	28,048.30	460.87	42.00	41.31
136.07	455.18	8,982.64	10,155.50	1,172.86	42.25	37.37
98.09	328.13	6,652.75	7,192.29	539.54	41.50	38.39
.....	1,695.17	37,465.48	39,170.46	1,704.98	43.75	41.85
.....	7,725.13	169,974.69	178,497.81	8,523.12	43.75	41.66
3,289.87	11,004.91	214,835.34	233,941.69	19,106.35	40.25	36.96
.....	4,426.62	94,208.74	101,696.84	7,488.10	43.50	40.30
.....	103,327.46	2,067,150.41	2,169,235.34	102,084.93	39.75	37.88
.....	2,589.25	52,867.05	56,408.02	3,540.97	41.25	38.66
.....	9,932.29	205,833.33	211,138.75	5,305.42	40.25	39.24
124.81	417.50	8,575.14	9,151.11	575.97	41.50	38.89
.....	866.81	21,300.33	23,116.79	1,816.46	50.50	46.53
380.24	804.51	19,049.47	19,332.94	283.47	45.50	44.83
.....	435.86	9,482.25	10,358.61	876.36	45.00	41.19
386.14	1,291.69	28,083.69	29,674.60	1,590.91	43.50	41.17
55.30	117.01	2,875.15	3,152.65	277.50	51.00	46.53

SOUTHERN ONTARIO

STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Markdale	460.0	2,112.0	18,655.02		1,380.00
Markham	1,494.1	6,752.1	55,253.47	7,470.50	4,482.30
Marmora	514.4	2,465.6	22,461.56		1,543.20
Martintown	121.5	432.1	4,217.77		364.50
Maxville	329.3	1,288.4	13,425.33		987.90
Meaford	1,986.1	9,966.5	81,510.07		5,958.30
Merlin	213.3	912.8	8,285.95	1,066.50	639.90
Merrickville	381.0	1,707.8	12,642.98		1,143.00
Merritton	15,705.4	88,078.9	496,007.86	78,527.00	47,116.20
Midland	5,516.5	26,455.7	191,056.28		16,549.50
Mildmay	382.4	1,566.6	14,369.39		1,147.20
Millbrook	320.6	1,458.8	13,031.26		961.80
Milton	3,309.5	16,001.9	117,205.80	16,547.50	9,928.50
Milverton	762.0	2,830.4	28,838.10	3,810.00	2,286.00
Mimico	6,114.8	33,121.3	193,984.58	30,574.00	18,344.40
Mitchell	1,309.6	6,519.2	45,874.76	6,548.00	3,928.80
Moorefield	164.0	640.4	5,686.14	820.00	492.00
Morrisburg	993.6	5,517.8	41,500.32		2,980.80
Mount Brydges	247.9	1,074.4	8,919.49	1,239.50	743.70
Mount Forest	1,322.7	5,892.9	50,563.03		3,968.10
Napanee	2,614.9	12,784.4	102,667.90		7,844.70
Neustadt	275.7	1,029.6	9,830.01		827.10
Newboro	70.2	250.6	2,418.08		210.60
Newburgh	187.6	734.0	7,104.99		562.80
Newbury	89.1	356.9	3,601.64	445.50	267.30
Newcastle	632.1	2,933.8	21,432.02		1,896.30
New Hamburg	1,042.4	4,678.2	37,567.78	5,212.00	3,127.20
Newmarket	4,045.0	20,442.1	131,840.45	20,225.00	12,135.00
New Toronto	16,906.4	88,886.5	539,496.35	84,532.00	50,719.20
Niagara	1,523.4	8,090.0	53,737.58	7,617.00	4,570.20
Niagara Falls	15,331.2	81,423.4	477,637.10	76,656.00	45,993.60
North York Twp.	94,686.8	520,663.3	3,002,250.01	473,434.00	284,060.40
Norwich	830.6	3,783.2	31,191.15	4,153.00	2,491.80
Norwood	405.2	1,972.3	17,384.95		1,215.60
Oakville	7,292.7	37,835.7	232,793.82	36,463.50	21,878.10
Oil Springs	194.6	1,144.3	7,865.32	973.00	583.80
Omeme	318.5	1,496.0	12,566.19		955.50
Orangeville	2,048.8	10,032.6	86,949.13		6,146.40
Orillia	4,357.5	15,963.7	158,936.31		13,072.50
Orono	334.3	1,420.4	12,003.48		1,002.90

SYSTEM

COST OF POWER

Ended December 31, 1956

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
411.65	870.97	18,752.40	19,321.75	569.35	42.00	40.77
.....	2,828.95	64,377.32	67,233.39	2,856.07	45.00	43.09
291.17	973.97	22,739.62	24,304.21	1,564.59	47.25	44.21
68.77	230.05	4,283.45	4,738.19	454.74	39.00	35.25
186.39	623.50	13,603.34	14,570.78	967.44	44.25	41.31
1,777.36	3,760.51	81,930.50	84,408.54	2,478.04	42.50	41.25
.....	403.87	9,588.48	9,970.22	381.74	46.75	44.95
215.66	721.39	12,848.93	12,762.12	86.81	33.50	33.72
.....	29,736.85	591,914.21	620,363.96	28,449.75	39.50	37.69
4,936.71	10,445.03	192,224.04	209,625.40	17,401.36	38.00	34.85
342.21	724.04	14,450.34	15,486.87	1,036.53	40.50	37.79
181.47	607.03	13,204.56	14,186.91	982.35	44.25	41.19
.....	6,266.26	137,415.54	141,480.06	4,064.52	42.75	41.52
.....	1,442.78	33,491.32	34,860.74	1,369.42	45.75	43.95
.....	11,577.86	231,325.12	233,890.13	2,565.01	38.25	37.83
.....	2,479.62	53,871.94	56,640.92	2,768.98	43.25	41.14
.....	310.52	6,687.62	7,090.84	403.22	43.25	40.78
562.41	1,881.30	42,037.41	45,455.68	3,418.27	45.75	42.31
.....	469.38	10,433.31	11,092.79	659.48	44.75	42.09
1,183.68	2,504.42	50,843.03	53,569.35	2,726.32	40.50	38.44
1,480.11	4,951.09	104,081.40	111,786.64	7,705.24	42.75	39.80
246.72	522.01	9,888.38	10,613.17	724.79	38.50	35.87
39.74	132.91	2,456.03	2,739.08	283.05	39.00	34.99
106.19	355.20	7,206.40	7,879.55	673.15	42.00	38.41
.....	168.70	4,145.74	4,544.94	399.20	51.00	46.53
357.79	1,196.82	21,773.71	27,021.19	5,247.48	42.75	34.45
.....	1,973.70	43,933.28	45,605.74	1,672.46	43.75	42.15
.....	7,658.87	156,541.58	159,776.84	3,235.26	39.50	38.70
.....	32,010.84	642,736.71	680,481.93	37,745.22	40.25	38.02
.....	2,884.43	63,040.35	57,890.45	5,149.90	38.00	41.38
.....	29,028.33	571,258.37	597,917.77	26,659.40	39.00	37.26
.....	179,281.44	3,580,462.97	3,763,801.63	183,338.66	39.75	37.81
.....	1,572.67	36,263.28	37,999.96	1,736.68	45.75	43.66
229.35	767.21	17,603.99	18,740.50	1,136.51	46.25	43.45
.....	13,808.11	277,327.31	289,885.81	12,558.50	39.75	38.03
.....	368.46	9,053.66	9,924.17	870.51	51.00	46.53
180.28	603.05	12,738.36	13,454.50	716.14	42.25	39.99
1,833.47	3,879.23	87,382.83	95,266.88	7,884.05	46.50	42.65
3,899.52	8,250.56	159,858.73	163,406.88	3,548.15	37.50	36.69
189.22	632.97	12,184.19	13,456.25	1,272.06	40.25	36.45

SOUTHERN ONTARIO

STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Oshawa.....	44,790.0	234,113.3	1,422,733.22	.....	134,370.00
Ottawa.....	106,027.6	527,465.1	3,269,437.88	.....	318,082.80
Otterville.....	296.3	1,330.8	10,683.87	1,481.50	888.90
Owen Sound.....	10,061.3	48,387.5	343,280.32	.....	30,183.90
Paisley.....	350.1	1,506.5	12,963.37	.....	1,050.30
Palmerston.....	930.9	4,736.4	31,965.60	4,654.50	2,792.70
Paris.....	2,922.6	13,953.9	91,591.06	14,613.00	8,767.80
Parkhill.....	581.6	2,557.2	22,723.88	2,908.00	1,744.80
Parry Sound.....	1,202.7	6,043.3	50,401.13	.....	3,608.10
Penetanguishene.....	2,015.8	10,141.6	73,093.20	.....	6,047.40
Perth.....	3,098.1	13,606.6	110,609.90	.....	9,294.30
Peterborough.....	30,450.9	170,920.4	993,708.08	.....	91,352.70
Petrolia.....	1,262.7	6,541.8	50,659.77	6,313.50	3,788.10
Petrolia (Waterworks).....	134.1	622.8	4,887.72	670.50	402.30
Pictou.....	2,878.1	14,403.9	102,155.07	.....	8,634.30
Plattsville.....	432.7	1,749.3	15,506.42	2,163.50	1,298.10
Point Edward.....	3,526.8	15,152.8	112,427.50	17,634.00	10,580.40
Port Burwell.....	166.2	722.4	6,718.74	831.00	498.60
Port Colborne.....	4,700.4	27,261.8	157,310.14	23,502.00	14,101.20
Port Credit.....	4,383.5	26,513.9	157,933.71	21,917.50	13,150.50
Port Dalhousie.....	1,311.4	7,667.6	46,457.23	6,557.00	3,934.20
Port Dover.....	1,459.6	7,592.2	53,461.14	7,298.00	4,378.80
Port Elgin.....	950.4	4,392.0	41,386.27	.....	2,851.20
Port Hope.....	6,021.6	31,219.5	228,457.18	.....	18,064.80
Port McNicoll.....	1,321.2	3,030.0	43,690.05	.....	3,963.60
Port Perry.....	890.0	3,804.2	35,274.39	.....	2,670.00
Port Rowan.....	208.5	890.3	8,428.91	1,042.50	625.50
Port Stanley.....	986.4	4,759.4	38,034.14	4,932.00	2,959.20
Prescott.....	2,715.4	12,988.7	97,833.06	.....	8,146.20
Preston.....	7,010.8	32,110.7	217,933.27	35,054.00	21,032.40
Priceville.....	38.5	148.0	1,654.27	.....	115.50
Princeton.....	188.0	820.4	7,423.11	940.00	564.00
Queenston.....	266.0	1,411.2	9,020.81	1,330.00	798.00
Renfrew.....	2,722.6	10,131.1	93,490.49	.....	8,167.80
Richmond.....	300.8	1,302.8	10,042.75	.....	902.40
Richmond Hill.....	3,970.6	19,118.2	141,851.01	19,853.00	11,911.80
Ridgetown.....	943.7	4,508.7	37,551.83	4,718.50	2,831.10
Ripley.....	215.5	904.8	9,428.02	.....	646.50
Riverside.....	4,393.4	20,940.5	150,207.75	21,967.00	13,180.20
Rockland.....	624.5	2,744.6	21,112.06	.....	1,873.50
Rockwood.....	308.4	1,437.2	12,158.41	1,542.00	925.20

SYSTEM

COST OF POWER

Ended December 31, 1956

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
25,352.43	84,806.07	1,466,944.72	1,578,842.50	131,897.78	35.25	32.31
60,014.67	200,754.28	3,326,751.73	3,498,910.25	172,158.52	33.00	31.38
.....	561.02	12,493.25	13,257.19	763.94	44.75	42.16
9,003.84	19,050.22	345,410.16	364,721.81	19,311.65	36.25	34.33
313.30	662.88	13,037.49	13,654.54	617.05	39.00	37.24
.....	1,762.58	37,650.22	39,331.59	1,681.37	42.25	40.44
.....	5,533.70	109,438.16	113,981.08	4,542.92	39.00	37.45
.....	1,101.21	26,275.47	27,482.56	1,207.09	47.25	45.18
1,076.29	2,277.21	50,655.73	51,717.52	1,061.79	43.00	42.12
1,803.94	3,816.75	73,519.91	79,120.81	5,600.90	39.25	36.47
.....
1,753.61	5,865.99	112,284.60	120,825.26	8,540.66	39.00	36.24
17,236.09	57,656.20	1,010,168.49	1,081,006.65	70,838.16	35.50	33.17
.....	2,390.82	58,370.55	61,554.60	3,184.05	48.75	46.23
.....	253.91	5,706.61	6,538.19	831.58	48.75	42.55
1,629.09	5,449.44	103,710.84	115,122.67	11,411.83	40.00	36.03
.....	819.28	18,148.74	18,822.46	673.72	43.50	41.94
.....
.....	6,677.70	133,964.20	141,952.02	7,987.82	40.25	37.98
.....	314.69	7,733.65	8,186.99	453.34	49.25	46.53
.....	8,899.81	186,013.53	193,889.79	7,876.26	41.25	39.57
.....	8,299.79	184,701.92	186,299.46	1,597.54	42.50	42.14
.....	2,483.02	54,465.41	56,391.65	1,926.24	43.00	41.53
.....
.....	2,763.63	62,374.31	65,314.86	2,940.55	44.75	42.73
850.51	1,799.50	41,587.46	43,242.82	1,655.36	45.50	43.76
3,408.40	11,401.39	231,712.19	260,432.04	28,719.85	43.25	38.48
1,182.34	2,501.58	43,969.73	49,874.96	5,905.23	37.75	33.28
796.46	1,685.14	35,462.79	38,271.45	2,808.66	43.00	39.85
.....
.....	394.78	9,702.13	10,162.35	460.22	48.75	46.53
.....	1,867.66	44,057.68	46,358.84	2,301.16	47.00	44.67
1,536.99	5,141.38	99,300.89	107,936.81	8,635.92	39.75	36.57
.....	13,274.36	260,745.31	257,647.83	3,097.48	36.75	37.19
34.45	72.90	1,662.42	1,781.78	119.36	46.25	43.18
.....
.....	355.96	8,571.15	8,837.18	266.03	47.00	45.59
.....	503.65	10,645.16	10,904.97	259.81	41.00	40.02
1,541.07	5,155.01	94,962.21	107,543.37	12,581.16	39.50	34.88
170.26	569.54	10,205.35	11,055.00	849.65	36.75	33.93
.....	7,517.99	166,097.82	175,697.19	9,599.37	44.25	41.83
.....
.....	1,786.82	43,314.61	46,004.16	2,689.55	48.75	45.90
192.85	408.03	9,473.64	9,965.32	491.68	46.25	43.96
.....	8,318.53	177,036.42	185,621.85	8,585.43	42.25	40.30
.....	1,182.44	21,449.64	23,261.99	1,812.35	37.25	34.35
353.48	583.93	14,041.68	14,649.78	608.10	47.50	45.53

SOUTHERN ONTARIO
STATEMENT OF THE
For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Rodney	337.6	1,462.0	13,645.82	1,688.00	1,012.80
Rosseau	67.0	296.5	2,759.50	.....	201.00
Russell	187.4	820.4	6,350.63	.....	562.20
St. Catharines	37,335.8	188,987.7	1,136,244.98	186,679.00	112,007.40
St. Clair Beach	384.9	1,719.6	13,237.96	1,924.50	1,154.70
St. George	378.3	1,731.9	13,625.01	1,891.50	1,134.90
St. Jacobs	370.1	1,447.4	14,106.99	1,850.50	1,110.30
St. Mary's	2,582.0	12,934.0	78,114.31	12,910.00	7,746.00
St. Thomas	11,275.1	64,020.3	354,482.28	56,375.50	33,825.30
Sandwich East Twp.	1,360.9	6,554.7	45,728.66	6,804.50	4,082.70
Sandwich West Twp.	5,186.3	24,804.9	176,878.30	25,931.50	15,558.90
Sarnia	31,119.6	206,474.4	1,029,686.77	155,598.00	93,358.80
Scarborough Twp.	79,641.1	417,878.4	2,506,179.96	398,205.50	238,923.30
Seaforth	1,480.0	7,104.4	45,119.47	7,400.00	4,440.00
Shelburne	695.0	3,008.8	31,339.25	.....	2,085.00
Simcoe	4,926.1	24,551.5	154,209.90	24,630.50	14,778.30
Smith's Falls	5,596.2	26,710.6	176,774.54	.....	16,788.60
Smithville	437.9	1,791.6	17,569.83	2,189.50	1,313.70
Southampton	861.6	4,265.3	37,623.97	.....	2,584.80
Springfield	172.5	727.2	6,470.65	862.50	517.50
Stamford Twp.	11,631.0	64,030.8	367,240.73	58,155.00	34,893.00
Stayner	755.3	3,292.8	30,823.93	.....	2,265.90
Stirling	674.8	2,998.4	22,375.34	.....	2,024.40
Stoney Creek	2,270.8	11,686.5	77,070.99	11,354.00	6,812.40
Stouffville	1,272.1	5,483.6	46,474.61	6,360.50	3,816.30
Stratford	12,756.2	67,054.1	389,761.19	63,781.00	38,268.60
Strathroy	2,603.8	13,481.0	81,053.65	13,019.00	7,811.40
Streetsville	1,634.8	8,658.5	59,695.85	8,174.00	4,904.40
Sunderland	267.8	1,140.8	11,412.19	.....	803.40
Sundridge	191.1	945.0	8,850.02	.....	573.30
Sutton	773.8	3,680.4	31,279.00	3,869.00	2,321.40
Swansea	4,537.9	26,326.4	146,246.37	22,689.50	13,613.70
Tara	230.6	942.0	9,924.29	.....	691.80
Tavistock	809.0	3,639.6	28,859.48	4,045.00	2,427.00
Tecumseh	1,085.6	5,509.8	38,093.02	5,428.00	3,256.80
Teeswater	401.8	1,838.4	16,769.84	.....	1,205.40
Thamesford	391.4	1,728.2	15,822.60	1,957.00	1,174.20
Thamesville	551.4	2,073.1	21,445.60	2,757.00	1,654.20
Thedford	280.8	1,362.7	11,350.20	1,404.00	842.40
Thornbury	396.1	1,649.6	16,130.08	.....	1,188.30
Thorndale	187.0	724.4	6,756.60	935.00	561.00
Thornton	91.5	335.6	3,345.96	.....	274.50
Thorold	9,407.5	60,416.5	304,918.43	47,037.50	28,222.50
Tilbury	1,326.4	5,473.3	52,535.20	6,632.00	3,979.20
Tillsonburg	3,458.6	16,614.9	106,478.75	17,293.00	10,375.80

SYSTEM

COST OF POWER

Ended December 31, 1956

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	639.22	15,707.40	17,215.04	1,507.64	51.00	46.53
59.96	126.86	2,773.68	2,882.79	109.11	43.00	41.40
106.07	354.82	6,451.94	6,981.57	529.63	37.25	34.43
.....	70,692.18	1,364,239.20	1,428,092.99	63,853.79	38.25	36.54
.....	728.78	15,588.38	16,454.47	866.09	42.75	40.50
.....	716.28	15,935.13	16,737.93	802.80	44.25	42.12
.....	700.75	16,367.04	17,026.51	659.47	46.00	44.22
.....	4,888.80	93,881.51	98,759.59	4,878.08	38.25	36.36
.....	21,348.45	423,334.63	445,364.78	22,030.15	39.50	37.55
.....	2,576.75	54,039.11	57,839.66	3,800.55	42.50	39.71
.....	9,819.82	208,548.88	220,419.17	11,870.29	42.50	40.21
.....	58,922.33	1,219,721.24	1,275,904.29	56,183.05	41.00	39.19
.....	150,793.68	2,992,515.08	3,165,735.05	173,219.97	39.75	37.58
.....	2,802.25	54,157.22	56,980.96	2,823.74	38.50	36.59
621.95	1,315.92	31,486.38	33,014.07	1,527.69	47.50	45.30
.....	9,327.15	184,291.55	193,349.09	9,057.54	39.25	37.41
3,167.61	10,595.93	179,799.60	187,472.41	7,672.81	33.50	32.13
.....	829.13	20,243.90	20,688.79	444.89	47.25	46.23
771.05	1,631.37	37,806.35	39,203.20	1,396.85	45.50	43.88
.....	326.61	7,524.04	7,932.71	408.67	46.00	43.62
.....	22,022.31	438,266.42	441,978.64	3,712.22	38.00	37.68
675.92	1,430.10	30,983.81	32,666.38	1,682.57	43.25	41.02
381.96	1,277.68	22,740.10	24,459.98	1,719.88	36.25	33.70
.....	4,299.57	90,937.82	95,371.85	4,434.03	42.00	40.05
.....	2,408.61	54,242.80	58,197.82	3,955.02	45.75	42.64
.....	24,152.78	467,658.01	491,114.34	23,456.33	38.50	36.66
.....	4,930.07	96,953.98	102,200.45	5,246.47	39.25	37.24
.....	3,095.36	69,678.89	68,662.30	1,016.59	42.00	42.62
239.65	507.06	11,468.88	11,915.25	446.37	44.50	42.83
171.02	361.83	8,890.47	9,746.54	856.07	51.00	46.53
.....	1,465.12	36,004.28	37,337.44	1,333.16	48.25	46.53
.....	8,592.13	173,957.44	181,516.33	7,558.89	40.00	38.33
206.36	436.62	9,973.11	10,720.96	747.85	46.50	43.25
.....	1,531.77	33,799.77	35,192.58	1,392.87	43.50	41.78
.....	2,055.49	44,722.33	46,950.76	2,228.43	43.25	41.20
359.57	760.77	16,854.90	18,082.13	1,227.23	45.00	41.95
.....	741.08	18,212.72	18,982.51	769.79	48.50	46.53
.....	1,044.03	24,812.77	27,157.27	2,344.50	49.25	45.00
.....	531.67	13,064.93	13,829.79	764.86	49.25	46.53
354.47	749.98	16,213.93	17,327.53	1,113.60	43.75	40.93
.....	354.07	7,898.53	8,226.18	327.65	44.00	42.24
81.88	173.25	3,365.33	3,454.13	88.80	37.75	36.78
.....	17,812.30	362,366.13	373,949.13	11,583.00	39.75	38.52
.....	2,511.43	60,634.97	64,328.37	3,693.40	48.50	45.71
.....	6,548.57	127,598.98	134,019.44	6,420.46	38.75	36.89

SOUTHERN ONTARIO
STATEMENT OF THE
For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standardization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Toronto.....	501,236.1	2,956,181.2	15,642,865.93	2,506,180.50	1,503,708.30
Toronto Twp.....	27,946.6	177,666.7	947,459.03	139,733.00	83,839.80
Tottenham.....	278.3	1,383.2	11,585.84	.....	834.90
Trafalgar Twp.....	5,058.1	25,122.8	172,066.40	25,290.50	15,174.30
Trenton.....	10,672.5	58,207.5	327,446.57	.....	32,017.50
Tweed.....	789.4	3,691.8	27,705.15	.....	2,368.20
Uxbridge.....	998.2	4,956.6	41,056.16	.....	2,994.60
Vankleek Hill.....	346.7	1,562.7	13,380.95	.....	1,040.10
Victoria.....	232.7	1,013.6	9,504.91	.....	698.10
Walkerton.....	2,050.1	8,662.4	76,022.30	.....	6,150.30
Wallaceburg.....	7,266.4	39,944.4	234,498.24	36,332.00	21,799.20
Wardsville.....	122.0	507.6	4,931.94	610.00	366.00
Warkworth.....	191.5	761.2	7,297.38	.....	574.50
Wasaga Beach.....	584.9	1,988.8	23,247.39	.....	1,754.70
Waterdown.....	771.0	3,808.8	26,350.09	3,855.00	2,313.00
Waterford.....	713.8	3,230.7	25,602.49	3,569.00	2,141.40
Waterloo.....	12,047.2	60,545.2	329,802.77	60,236.00	36,141.60
Watford.....	791.0	3,350.3	29,724.48	3,955.00	2,373.00
Waubashene.....	225.7	978.4	9,111.08	.....	677.10
Welland.....	12,363.9	63,335.3	385,328.66	61,819.50	37,091.70
Wellesley.....	324.6	1,237.0	11,454.63	1,623.00	973.80
Wellington.....	465.1	2,073.9	18,404.53	.....	1,395.30
West Lorne.....	780.8	3,314.8	31,557.77	3,904.00	2,342.40
Weston.....	7,417.3	39,549.5	238,914.30	37,086.50	22,251.90
Westport.....	275.0	1,186.8	9,856.59	.....	825.00
Wheatley.....	570.3	2,599.3	22,358.21	2,851.50	1,710.90
Whitby.....	7,047.6	38,059.7	224,611.80	.....	21,142.80
Warton.....	895.3	4,740.0	37,933.94	.....	2,685.90
Williamsburg.....	166.0	764.4	7,229.27	.....	498.00
Winchester.....	835.7	3,919.1	33,738.68	.....	2,507.10
Windermere.....	107.0	411.6	4,025.47	.....	321.00
Windsor.....	72,364.5	381,751.5	2,241,477.39	361,822.50	217,093.50
Wingham.....	1,497.7	8,203.4	60,892.73	.....	4,493.10
Woodbridge.....	1,850.1	9,963.1	65,700.82	9,250.50	5,550.30
Woodstock.....	14,653.2	76,912.7	451,184.69	73,266.00	43,959.60
Woodville.....	163.1	644.7	7,554.45	.....	489.30
Wyoming.....	299.3	1,185.8	11,634.98	1,496.50	897.90
York Twp.....	48,086.9	279,930.7	1,501,018.77	240,434.50	144,260.70
Zurich.....	291.6	1,162.0	11,512.63	1,458.00	874.80
Ontario Central Reformatory.....	273.7	1,342.4	8,529.55	1,368.50	821.10
Total—Municipalities.....	2,214,543.4	12,259,811.9	71,090,685.62	9,016,775.50	6,643,630.20
Total—Rural Power District.....	368,843.1	1,813,740.8	13,287,145.85	1,156,616.00	1,106,529.30
Total—Companies.....	619,701.2	8,604,886.2	22,901,322.87	7,308,606.93	1,859,103.60
Total—Local distribution systems..	3,213.3	15,848.3	246,456.03	4,762.00	9,639.90
GRAND TOTAL.....	3,206,301.0	22,694,287.2	107,525,610.37	17,486,760.43	9,618,903.00

SYSTEM

COST OF POWER

Ended December 31, 1956

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	949,048.12	18,703,706.61	19,422,898.22	719,191.61	38.75	37.32
.....	52,914.52	1,118,117.31	1,145,811.28	27,693.97	41.00	40.01
249.05	526.94	11,644.75	12,524.23	879.48	45.00	41.84
.....	9,577.06	202,954.14	216,233.78	13,279.64	42.75	40.12
6,040.94	20,207.48	333,215.65	341,518.41	8,302.76	32.00	31.22
446.82	1,494.66	28,131.87	30,393.19	2,261.32	38.50	35.64
893.29	1,890.01	41,267.46	42,674.48	1,407.02	42.75	41.34
196.24	656.45	13,568.36	13,694.98	126.62	39.50	39.14
208.24	440.60	9,554.17	10,822.09	1,267.92	46.50	41.06
1,834.63	3,881.69	76,456.28	77,391.91	935.63	37.75	37.29
.....	13,758.31	278,871.13	296,107.47	17,236.34	40.75	38.38
.....	231.00	5,676.94	6,222.44	545.50	51.00	46.53
108.39	362.59	7,400.90	7,853.20	452.30	41.00	38.65
523.43	1,107.46	23,371.20	25,002.34	1,631.14	42.75	39.96
.....	1,459.82	31,058.27	32,380.95	1,322.68	42.00	40.28
.....	1,351.52	29,961.37	31,049.93	1,088.56	43.50	41.97
.....	22,810.35	403,370.02	424,662.02	21,292.00	35.25	33.48
.....	1,497.69	34,554.79	35,790.86	1,236.07	45.25	43.68
201.98	427.34	9,158.86	9,986.86	828.00	44.25	40.58
.....	23,410.00	460,829.86	476,010.79	15,180.93	38.50	37.27
.....	614.60	13,436.83	13,958.51	521.68	43.00	41.40
263.26	880.63	18,655.94	19,648.34	992.40	42.25	40.11
.....	1,478.38	36,325.79	39,819.52	3,493.73	51.00	46.53
.....	14,044.03	284,208.67	296,692.35	12,483.68	40.00	38.32
155.66	520.69	10,005.24	10,999.01	993.77	40.00	36.38
.....	1,079.81	25,840.80	26,802.52	961.72	47.00	45.31
3,989.14	13,344.03	228,421.43	253,713.00	25,291.57	36.00	32.41
801.20	1,695.17	38,123.47	40,737.67	2,614.20	45.50	42.58
93.96	314.31	7,319.00	7,843.89	524.89	47.25	44.09
473.03	1,582.33	34,190.42	36,772.64	2,582.22	44.00	40.91
95.75	202.60	4,048.12	4,333.84	285.72	40.50	37.83
.....	137,016.05	2,683,377.34	2,822,213.86	138,836.52	39.00	37.08
1,340.29	2,835.77	61,209.77	63,653.32	2,443.55	42.50	40.87
.....	3,503.01	76,998.61	80,477.54	3,478.93	43.50	41.62
.....	27,744.59	540,665.70	567,810.52	27,144.82	38.75	36.90
145.96	308.82	7,588.97	7,785.64	196.67	47.75	46.53
.....	566.70	13,462.68	14,143.09	680.41	47.25	44.98
.....	91,048.47	1,794,665.50	1,851,346.31	56,680.81	38.50	37.32
.....	552.12	13,293.31	13,848.63	555.32	47.50	45.59
.....	518.23	10,200.92	10,538.41	337.49	38.50	37.27
258,851.69	4,193,050.44	82,299,189.19	86,024,635.63	3,725,446.44	.....	.....
94,930.25	698,373.18	14,756,987.72	14,756,987.72	.....	.....	.....
.....	4,908,550.24	36,977,583.64	36,977,583.64	.....	.....	.....
.....	17,126.62	243,731.31	243,731.31	.....	.....	.....
353,781.94	.....	134,277,491.86	138,002,938.30	3,725,446.44	.....	.....

Notes on Cost of Power Statement

SOUTHERN ONTARIO SYSTEM

1. The total of \$107,525,610.37 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased.....	\$ 12,062,922
Interchange of power with Northern Ontario Properties.....	1,365,587
Operation, maintenance and administrative expenses.....	37,426,297
Interest.....	38,174,911
Depreciation.....	10,008,431
Sinking fund provision.....	11,272,794
Credit resulting from matured sinking fund.....	54,157
	<u>\$ 107,525,611</u>

Interchange of power between the Southern Ontario System and the Northern Ontario Properties shown in the statement of operations as a deduction amounting to \$1,365,587 represents the cost of 524,800,000 kilowatt-hours of energy transferred to the Northern Ontario Properties less the cost of 3,363,000 kilowatt-hours of energy transferred to the Southern Ontario System. The cost was determined on the basis of the average annual cost of energy, generated and purchased, and the cost of the facilities used for the interchange. This energy is not included in the cost of power statement in the total of energy supplied during the year—22,694,287,200 kilowatt-hours.

The credit of \$54,157 resulting from matured sinking fund consists of a principal amount of \$11,286 and interest at 4 per cent amounting to \$42,871.

2. Frequency standardization interest and portion of cost written off are as follows:

Interest.....	\$ 5,686,279.91
Portion of cost written off.....	11,800,480.52
	<u>\$ 17,486,760.43</u>

This represents a charge to all customers in the Niagara Division (except certain companies which will not be standardized at 60 cycles) at the rate of \$5 per kilowatt on the average monthly peak load supplied amounting to \$10,967,174.50 plus an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$6,519,585.93. The latter amount is included in the \$7,308,606.93 shown as charged to companies.

3. The provision for stabilization of rates and contingencies amounting to \$9,618,903.00 consists of a charge of \$3 per kilowatt on the average monthly peak load supplied to all customers in the Southern Ontario System.

4. The withdrawal of \$353,781.94 from stabilization of rates reserve was credited to all municipal customers and the Rural Power District in the Eastern Ontario and Georgian Bay Divisions, respectively at the rate of 57 cents and 89 cents per kilowatt of the average monthly peak load supplied.

5. The method used in 1955 of allocating the cost of power supplied to each customer was followed in 1956 with the exception of high-voltage transmission costs which were pooled in 1956 for the whole system and allocated to all loads on a kilowatt basis. In 1955 these costs were pooled by divisions and allocated to customers within each division on a kilowatt-mile basis.

6. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. In addition to this, excess energy available from time to time is sold on a kilowatt-hour basis for export outside the Province and to customers in Ontario for the operation of electric steam-boilers. Such energy is included in the total energy supplied to companies. As it is classed as secondary power, however, it is not included in the companies' average monthly peak load. The net revenue from this source was as follows:

	<i>60-cycle surplus energy exported</i>	<i>Other surplus energy</i>	<i>Total</i>
Revenue less export tax.	\$6,745,535.96	\$5,058,046.54	\$ 11,803,582.50
Less costs related thereto.	225,950.03	348,430.41	574,380.44
Net revenue.	<u>\$6,519,585.93</u>	<u>\$4,709,616.13</u>	<u>\$ 11,229,202.06</u>

The net revenue from the sale of 60-cycle surplus energy exported of \$6,519,585.93 is included in "Frequency standardization interest and portion of cost written off", (see Note 2 above). The net revenue from the sale of other surplus energy of \$4,709,616.13 has been included in the amount billed to companies and, in consequence, the profit of \$4,908,550.24 on operation of direct customers' accounts is after taking such revenue into account.

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1956

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1956	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1956	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1956		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Acton.....	258,567.05	25,637.77	.....	284,204.82	935.42	37.42	9.85
Ailsa Craig.....	41,103.95	2,845.34	.....	43,949.29	184.24	7.37	1.94
Ajax.....	.....	12,152.30	.....	12,152.30	.....	.....	.....
Alexandria.....	91,239.34	9,471.14	.....	100,710.48	.....	.....	.....
Alfred.....	674.21	1,068.89	.....	1,743.10	.....	.....	.....
Alliston.....	86,970.18	9,526.34	.....	96,496.52	.....	.....	.....
Almonte.....	25,611.62	4,789.99	.....	30,401.61	.....	.....	.....
Alvinston.....	40,712.95	2,596.19	.....	43,309.14	.....	.....	.....
Amherstburg.....	199,708.76	20,252.59	.....	219,961.35	.....	.....	.....
Ancaster Twp.....	71,454.15	9,691.03	.....	81,145.18	.....	.....	.....
Apple Hill.....	9,422.90	729.25	.....	10,152.15	.....	.....	.....
Arkona.....	21,164.82	1,896.01	.....	23,060.83	.....	.....	.....
Arnprior.....	109,789.25	19,535.03	.....	129,324.28	.....	.....	.....
Arthur.....	56,530.69	4,688.32	.....	61,219.01	.....	.....	.....
Athens.....	22,417.06	2,139.61	.....	24,556.67	.....	.....	.....
Aurora.....	89,233.71	14,945.74	.....	104,179.45	.....	.....	.....
Aylmer.....	173,965.24	19,699.98	.....	193,665.22	.....	.....	.....
Ayr.....	48,948.27	4,301.12	.....	53,249.39	483.38	19.34	5.09
Baden.....	91,052.79	5,185.83	.....	96,238.62	2,112.06	84.48	22.24
Bancroft.....	6,907.54	2,439.32	.....	9,346.86	.....	.....	.....
Barrie.....	584,407.41	70,022.81	.....	654,430.22	.....	.....	.....
Barry's Bay.....	4,385.21	1,309.63	.....	5,694.84	.....	.....	.....
Bath.....	9,688.51	1,459.25	.....	11,147.76	.....	.....	.....
Beachville.....	129,993.62	11,294.38	.....	141,288.00	2,299.15	91.97	24.21
Beamsville.....	46,975.48	7,622.74	.....	54,598.22	.....	.....	.....
Beaverton.....	62,339.92	6,193.88	.....	68,533.80	.....	.....	.....
Beeton.....	42,066.22	3,267.53	.....	45,333.75	.....	.....	.....
Belle River.....	41,080.89	4,068.49	.....	45,149.38	.....	.....	.....
Belleville.....	779,105.94	88,679.02	.....	867,784.96	.....	.....	.....
Blenheim.....	120,548.35	9,714.14	.....	130,262.49	940.17	37.61	9.90
Bloomfield.....	24,116.19	2,578.65	.....	26,694.84	.....	.....	.....
Blyth.....	35,753.06	3,629.61	.....	39,382.67	.....	.....	.....
Bobcaygeon.....	12,259.33	2,873.02	.....	15,132.35	.....	.....	.....
Bolton.....	53,350.88	4,853.24	.....	58,204.12	1,262.11	50.48	13.29
Bothwell.....	46,662.16	3,383.72	.....	50,045.88	365.62	14.62	3.85
Bowmanville.....	298,849.92	32,401.94	.....	331,251.86	.....	.....	.....
Bracebridge.....	.....	781.15	.....	781.15	.....	.....	.....
Bradford.....	66,575.24	7,856.71	.....	74,431.95	.....	.....	.....
Braeside.....	9,322.83	1,708.11	.....	11,030.94	.....	.....	.....
Brampton.....	551,438.57	53,147.53	.....	604,586.10	7,320.04	292.80	77.08

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1956
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1956	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1956	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1956		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Brantford.....	3,190,845.19	274,238.17	.....	3,465,083.36	23,002.85	920.11	242.22
Brantford Twp.....	9,974.35	10,156.33	.....	20,130.68	.....	.....	.....
Brechin.....	18,574.09	1,229.37	.....	19,803.46	.....	.....	.....
Bridgeport.....	29,691.70	3,771.96	.....	33,463.66	.....	.....	.....
Bridgen.....	32,190.59	2,163.96	.....	34,354.55	.....	.....	.....
Brighton.....	56,684.43	7,004.76	.....	63,689.19	.....	.....	.....
Brockville.....	683,798.66	76,472.16	.....	760,270.82	.....	.....	.....
Bronte.....	9,155.06	3,346.64	.....	12,501.70	.....	.....	.....
Brussels.....	44,271.37	4,095.61	.....	48,366.98	.....	.....	.....
Burford.....	47,186.61	4,396.28	.....	51,582.89	415.95	16.64	4.38
Burgessville.....	16,182.01	1,350.03	.....	17,532.04	.....	.....	.....
Burk's Falls.....	6,283.19	1,961.29	.....	8,244.48	.....	.....	.....
Burlington.....	111,384.11	27,972.54	.....	139,356.65	.....	.....	.....
Caledonia.....	72,336.75	6,375.08	.....	78,711.83	529.91	21.20	5.58
Campbellville.....	9,919.89	965.83	.....	10,885.72	.....	.....	.....
Cannington.....	48,076.67	4,371.97	.....	52,448.64	.....	.....	.....
Cardinal.....	35,931.08	5,004.24	.....	40,935.32	.....	.....	.....
Carleton Place.....	261,426.91	23,596.50	.....	285,023.41	.....	.....	.....
Casselman.....	4,012.97	1,930.39	.....	5,943.36	.....	.....	.....
Cayuga.....	32,584.01	2,619.32	.....	35,203.33	.....	.....	.....
Chatham.....	1,289,833.30	108,127.60	.....	1,397,960.90	6,582.15	263.29	69.31
Chatsworth.....	17,298.73	1,717.69	.....	19,016.42	.....	.....	.....
Chesley.....	112,340.72	9,136.15	.....	121,476.87	.....	.....	.....
Chesterville.....	80,401.84	7,605.10	.....	88,006.94	.....	.....	.....
Chippawa.....	54,568.48	5,503.21	205.06	60,276.75	.....	.....	.....
Clifford.....	25,534.13	2,253.39	.....	27,787.52	.....	.....	.....
Clinton.....	152,391.29	13,457.99	.....	165,849.28	1,339.98	53.60	14.11
Cobden.....	16,371.19	2,461.35	.....	18,832.54	.....	.....	.....
Cobourg.....	281,843.67	43,764.38	.....	325,608.05	.....	.....	.....
Colborne.....	28,565.33	4,087.12	.....	32,652.45	.....	.....	.....
Coldwater.....	39,951.23	3,042.14	.....	42,993.37	.....	.....	.....
Collingwood.....	435,339.56	39,212.88	.....	474,552.44	.....	.....	.....
Comber.....	48,281.16	3,120.09	.....	51,401.25	277.30	11.09	2.92
Cookstown.....	18,772.95	1,937.63	.....	20,710.58	.....	.....	.....
Cottam.....	16,636.25	1,434.46	.....	18,070.71	.....	.....	.....
Courtright.....	16,808.73	1,253.08	.....	18,061.81	.....	.....	.....
Creemore.....	35,609.11	3,237.06	.....	38,846.17	.....	.....	.....
Dashwood.....	26,622.54	2,064.23	.....	28,686.77	.....	.....	.....
Delaware.....	13,167.71	1,373.60	.....	14,541.31	99.72	3.99	1.05
Delhi.....	60,437.95	10,076.62	.....	70,514.57	.....	.....	.....

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1956
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1956	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1956	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1956		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Deseronto.....	37,728.72	5,033.55	.....	42,762.27	.....	.....	.....
Dorchester.....	24,503.85	2,217.47	.....	26,721.32	243.11	9.72	2.56
Drayton.....	37,438.31	2,739.86	.....	40,178.17	.....	.....	.....
Dresden.....	102,747.10	8,246.75	.....	110,993.85	840.46	33.62	8.85
Drumbo.....	21,256.25	1,793.35	.....	23,049.60	213.68	8.55	2.25
Dublin.....	16,079.43	1,416.04	.....	17,495.47	.....	.....	.....
Dundalk.....	42,193.30	3,878.20	.....	46,071.50	.....	.....	.....
Dundas.....	443,828.08	39,146.72	.....	482,974.80	13,433.05	537.32	141.45
Dunnville.....	223,243.74	22,589.56	.....	245,833.30	.....	.....	.....
Durham.....	92,682.76	8,961.59	.....	101,644.35	.....	.....	.....
Dutton.....	55,296.95	3,707.89	.....	59,004.84	559.35	22.37	5.89
East York Twp.....	1,362,264.92	182,934.46	.....	1,545,199.38	.....	.....	.....
Eganville.....	2,133.90	1,292.86	.....	3,426.76	.....	.....	.....
Elmira.....	247,055.10	22,342.26	.....	269,397.36	1,226.02	49.04	12.91
Elmvale.....	44,510.56	3,941.69	.....	48,452.25	.....	.....	.....
Elmwood.....	14,915.84	1,347.97	.....	16,263.81	.....	.....	.....
Elora.....	107,278.98	7,479.63	.....	114,758.61	772.08	30.88	8.13
Embro.....	33,763.56	2,733.80	.....	36,497.36	315.29	12.61	3.32
Erieau.....	27,146.97	2,603.16	.....	29,750.13	.....	.....	.....
Erie Beach.....	5,191.50	417.11	.....	5,608.61	.....	.....	.....
Erin.....	6,159.95	1,983.69	.....	8,143.64	.....	.....	.....
Essex.....	112,303.79	10,174.62	.....	122,478.41	.....	.....	.....
Etobicoke Twp.....	1,559,807.96	345,463.54	.....	1,905,271.50	.....	.....	.....
Exeter.....	146,737.99	13,295.95	.....	160,033.94	388.41	15.54	4.09
Fergus.....	225,236.18	21,640.41	60.76	246,937.35	1,306.74	52.27	13.76
Finch.....	16,558.98	1,429.79	.....	17,988.77	.....	.....	.....
Flesherton.....	20,261.24	1,920.55	.....	22,181.79	.....	.....	.....
Fonthill.....	33,903.51	5,103.99	.....	39,007.50	.....	.....	.....
Forest.....	114,497.42	9,898.30	.....	124,395.72	.....	.....	.....
Forest Hill.....	742,416.25	75,625.99	.....	818,042.24	.....	.....	.....
Frankford.....	8,938.17	2,471.70	.....	11,409.87	.....	.....	.....
Galt.....	1,745,085.01	146,212.35	.....	1,891,297.36	25,132.00	1,005.28	264.64
Georgetown.....	350,746.44	34,297.63	.....	385,044.07	3,621.08	144.84	38.13
Glencoe.....	58,839.91	4,273.62	.....	63,113.53	.....	.....	.....
Goderich.....	381,229.65	32,546.17	.....	413,775.82	2,981.96	119.28	31.40
Grand Bend.....	12,535.68	3,490.84	.....	16,026.52	.....	.....	.....
Grand Valley.....	38,915.15	3,456.49	.....	42,371.64	.....	.....	.....
Granton.....	20,890.72	1,267.01	.....	22,157.73	55.08	2.20	.58
Gravenhurst.....	134,546.98	15,400.55	.....	149,947.53	.....	.....	.....
Grimsby.....	63,675.50	12,248.27	.....	75,923.77	.....	.....	.....

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1956

(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1956	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1956	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1956		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Guelph.....	2,035,670.60	177,562.61	.....	2,213,233.21	29,417.85	1,176.71	309.77
Hagersville.....	214,536.19	15,998.38	.....	230,534.57	1,303.89	52.16	13.73
Hamilton.....	17,823,625.89	1,728,551.65	8,170.87	19,560,348.41	110,242.17	4,409.69	1,160.85
Hanover.....	256,329.44	23,544.79	.....	279,874.23	.....	.....	.....
Harriston.....	108,614.69	8,716.52	.....	117,331.21	242.17	9.69	2.55
Harrow.....	96,952.95	8,623.74	.....	105,576.69	.....	.....	.....
Hastings.....	18,233.39	2,294.63	.....	20,528.02	.....	.....	.....
Havelock.....	37,995.01	3,277.24	.....	41,272.25	.....	.....	.....
Hawkesbury.....	8,456.47	8,352.33	.....	16,808.80	.....	.....	.....
Hensall.....	53,658.49	5,032.98	.....	58,691.47	.....	.....	.....
Hespeler.....	404,288.79	38,944.32	.....	443,233.11	5,845.20	233.81	61.55
Highgate.....	26,506.80	1,935.34	.....	28,442.14	.....	.....	.....
Holstein.....	8,023.11	723.67	.....	8,746.78	.....	.....	.....
Huntsville.....	205,707.89	19,692.28	46.16	225,446.33	.....	.....	.....
Ingersoll.....	555,912.67	41,606.80	.....	597,519.47	10,220.32	408.81	107.62
Iroquois.....	21,737.90	3,911.52	.....	25,649.42	.....	.....	.....
Jarvis.....	43,398.57	3,070.51	.....	46,469.08	.....	.....	.....
Kemptville.....	76,452.48	8,539.58	.....	84,992.06	.....	.....	.....
Kincardine.....	148,321.65	14,365.37	.....	162,687.02	.....	.....	.....
Kingston.....	1,082,003.86	170,419.86	.....	1,252,423.72	.....	.....	.....
Kingsville.....	135,610.67	11,662.49	.....	147,273.16	.....	.....	.....
Kirkfield.....	9,131.30	711.95	.....	9,843.25	.....	.....	.....
Kitchener.....	4,212,878.12	358,863.85	.....	4,571,741.97	35,760.68	1,430.43	376.56
Lakefield.....	60,374.05	8,153.15	.....	68,527.20	.....	.....	.....
Lambeth.....	36,606.13	4,524.58	.....	41,130.71	167.14	6.69	1.76
Lanark.....	21,297.27	1,978.90	.....	23,276.17	.....	.....	.....
Lancaster.....	17,297.93	1,526.78	.....	18,824.71	.....	.....	.....
La Salle.....	58,252.39	6,485.44	.....	64,737.83	.....	.....	.....
Leamington.....	336,224.54	32,208.01	230.01	368,662.56	.....	.....	.....
Lindsay.....	425,086.18	44,396.08	.....	469,482.26	.....	.....	.....
Listowel.....	256,290.82	20,666.16	.....	276,956.98	563.15	22.53	5.93
London.....	7,026,053.26	507,938.41	.....	7,533,991.67	107,307.69	4,292.31	1,129.95
London Twp.....	85,232.48	9,327.65	.....	94,560.13	.....	.....	.....
Long Branch.....	191,227.52	30,935.46	.....	222,162.98	.....	.....	.....
L'Orignal.....	2,072.38	1,136.93	.....	3,209.31	.....	.....	.....
Lucan.....	54,204.86	4,515.73	.....	58,720.59	419.75	16.79	4.42
Lucknow.....	67,020.36	4,916.33	.....	71,936.69	.....	.....	.....
Lynden.....	34,172.73	2,414.14	.....	36,586.87	225.07	9.00	2.37
Madoc.....	38,951.52	5,050.52	.....	44,002.04	.....	.....	.....
Magnetawan.....	1,166.77	391.51	.....	1,558.28	.....	.....	.....

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1956
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1956	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1956	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1956		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Markdale.....	35,815.46	3,721.15	.....	39,536.61	.....	.....	.....
Markham.....	72,647.58	10,037.05	.....	82,684.63	.....	.....	.....
Marmora.....	25,557.99	3,810.18	40.00	29,408.17	.....	.....	.....
Martintown.....	7,453.23	845.11	.....	8,298.34	.....	.....	.....
Maxville.....	29,503.52	2,861.61	.....	32,365.13	.....	.....	.....
Meaford.....	126,476.06	14,995.06	.....	141,471.12	.....	.....	.....
Merlin.....	31,352.01	2,296.45	.....	33,648.46	.....	.....	.....
Merrickville.....	6,605.44	1,921.08	.....	8,526.52	.....	.....	.....
Merritton.....	835,833.38	100,352.25	.....	936,185.63	.....	.....	.....
Midland.....	649,615.28	50,219.76	.....	699,835.04	.....	.....	.....
Mildmay.....	19,287.84	2,555.64	.....	21,843.48	.....	.....	.....
Millbrook.....	12,430.62	2,131.03	.....	14,561.65	.....	.....	.....
Milton.....	298,757.23	26,978.32	.....	325,735.55	4,442.55	177.70	46.78
Milverton.....	115,209.22	8,293.12	.....	123,502.34	184.24	7.37	1.94
Mimico.....	458,433.98	44,395.47	.....	502,829.45	1,994.30	79.77	21.00
Mitchell.....	141,152.17	11,518.50	.....	152,670.67	1,805.32	72.21	19.01
Moorefield.....	18,442.84	1,484.50	.....	19,927.34	.....	.....	.....
Morrisburg.....	33,510.23	6,549.74	.....	40,059.97	.....	.....	.....
Mount Brydges.....	23,579.87	2,063.69	.....	25,643.56	387.46	15.50	4.08
Mount Forest.....	112,054.70	10,759.90	.....	122,814.60	.....	.....	.....
Napanee.....	177,424.96	20,161.38	.....	197,586.34	.....	.....	.....
Neustadt.....	18,247.59	1,961.49	.....	20,209.08	.....	.....	.....
Newboro.....	1,571.89	368.82	26.35	1,967.06	.....	.....	.....
Newburgh.....	3,551.38	1,046.65	.....	4,598.03	.....	.....	.....
Newbury.....	12,716.28	969.18	.....	13,685.46	.....	.....	.....
Newcastle.....	24,373.23	3,783.54	.....	28,156.77	.....	.....	.....
New Hamburg.....	141,952.62	10,513.39	17.95	152,483.96	1,219.37	48.77	12.84
Newmarket.....	108,751.26	22,154.19	.....	130,905.45	.....	.....	.....
New Toronto.....	1,524,106.62	133,643.18	.....	1,657,749.80	2,905.98	116.24	30.60
Niagara.....	111,703.65	11,431.85	.....	123,135.50	.....	.....	.....
Niagara Falls.....	1,597,508.36	128,092.44	.....	1,725,600.80	4,114.91	164.60	43.33
North York Twp.....	1,877,683.14	480,463.04	.....	2,358,146.18	.....	.....	.....
Norwich.....	103,443.24	8,031.08	.....	111,474.32	2,160.49	86.42	22.75
Norwood.....	26,304.44	3,211.35	.....	29,515.79	.....	.....	.....
Oakville.....	120,446.72	36,174.69	.....	156,621.41	.....	.....	.....
Oil Springs.....	59,870.24	3,431.36	.....	63,301.60	.....	.....	.....
Omeme.....	14,316.23	2,156.69	.....	16,472.92	.....	.....	.....
Orangeville.....	156,449.16	16,817.21	.....	173,266.37	.....	.....	.....
Orillia.....	20,824.24	20,453.35	139.69	41,417.28	.....	.....	.....
Orono.....	11,222.13	1,992.66	.....	13,214.79	.....	.....	.....
Oshawa.....	2,312,549.84	282,558.03	.....	2,595,107.87	.....	.....	.....
Ottawa.....	2,317,022.66	532,171.38	.....	2,849,194.04	.....	.....	.....
Otterville.....	27,489.04	2,472.36	.....	29,961.40	113.96	4.56	1.20
Owen Sound.....	800,599.39	75,880.16	.....	876,479.55	.....	.....	.....
Paisley.....	35,145.66	3,002.19	.....	38,147.85	.....	.....	.....

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1956

(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1956	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1956	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1956		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Palmerston.....	126,000.39	9,272.93	.....	135,273.32	375.12	15.00	3.95
Paris.....	326,906.43	25,157.34	.....	352,063.77	4,831.91	193.28	50.88
Parkhill.....	61,492.15	5,324.82	.....	66,816.97	.....	.....	.....
Parry Sound.....	25,642.45	7,022.06	.....	32,664.51	.....	.....	.....
Penetanguishene.....	194,217.34	16,903.27	.....	211,120.61	.....	.....	.....
Perth.....	242,840.54	24,055.68	.....	266,896.22	.....	.....	.....
Peterborough.....	1,540,941.50	193,540.33	53.38	1,734,535.21	.....	.....	.....
Petrolia.....	269,440.53	17,710.72	.....	287,151.25	859.45	34.38	9.05
Picton.....	204,907.56	21,492.24	.....	226,399.80	.....	.....	.....
Plattsville.....	32,970.96	3,312.96	98.07	36,381.99	585.00	23.40	6.16
Point Edward.....	243,706.31	24,821.83	.....	268,528.14	.....	.....	.....
Port Burwell.....	5,268.35	1,050.70	.....	6,319.05	.....	.....	.....
Port Colborne.....	391,584.38	36,515.20	.....	428,099.58	.....	.....	.....
Port Credit.....	169,853.34	27,490.20	.....	197,343.54	761.63	30.47	8.02
Port Dalhousie.....	128,986.11	11,261.58	.....	140,247.69	.....	.....	.....
Port Dover.....	95,401.34	10,745.96	8.07	106,155.37	.....	.....	.....
Port Elgin.....	66,099.05	7,573.30	.....	73,672.35	.....	.....	.....
Port Hope.....	314,852.48	41,992.81	331.54	357,176.83	.....	.....	.....
Port McNicoll.....	35,419.75	7,045.75	.....	42,465.50	.....	.....	.....
Port Perry.....	63,903.66	6,871.64	.....	70,775.30	.....	.....	.....
Port Rowan.....	23,270.56	1,993.40	.....	25,263.96	.....	.....	.....
Port Stanley.....	126,973.54	9,830.08	.....	136,803.62	1,301.04	52.04	13.70
Prescott.....	178,542.74	19,800.47	.....	198,343.21	.....	.....	.....
Preston.....	745,482.22	58,551.82	.....	804,034.04	13,862.30	554.49	145.97
Priceville.....	3,050.64	316.78	.....	3,367.42	.....	.....	.....
Princeton.....	28,889.92	2,100.99	.....	30,990.91	151.95	6.08	1.60
Queenston.....	21,722.45	2,063.67	.....	23,786.12	.....	.....	.....
Renfrew.....	60,494.17	14,541.05	.....	75,035.22	.....	.....	.....
Richmond.....	14,454.85	1,883.62	.....	16,338.47	.....	.....	.....
Richmond Hill.....	97,207.85	22,486.93	47.61	119,742.39	.....	.....	.....
Ridgetown.....	123,740.30	9,600.34	.....	133,340.64	1,029.44	41.18	10.84
Ripley.....	25,411.99	2,136.49	.....	27,548.48	.....	.....	.....
Riverside.....	290,028.31	31,275.39	.....	321,303.70	.....	.....	.....
Rockland.....	3,777.71	2,873.63	.....	6,651.34	.....	.....	.....
Rockwood.....	33,767.68	2,899.88	.....	36,667.56	326.69	13.07	3.44
Rodney.....	41,114.45	3,478.93	.....	44,593.38	.....	.....	.....
Rosseau.....	11,492.34	784.21	.....	12,276.55	.....	.....	.....
Russell.....	17,774.58	1,529.51	.....	19,304.09	.....	.....	.....
St. Catharines.....	2,562,181.77	256,780.27	.....	2,818,962.04	.....	.....	.....
St. Clair Beach.....	23,017.86	2,649.11	.....	25,666.97	.....	.....	.....
St. George.....	39,786.42	3,355.76	.....	43,142.18	363.72	14.55	3.83
St. Jacobs.....	51,607.94	3,890.90	.....	55,498.84	.....	.....	.....
St. Mary's.....	362,148.41	24,904.04	.....	387,052.45	4,619.18	184.77	48.64
St. Thomas.....	1,405,601.66	102,634.42	.....	1,508,236.08	22,908.83	916.35	241.23
Sandwich East Twp.....	.....	6,002.00	.....	6,002.00	.....	.....	.....

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1956
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1956	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1956	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1956		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Sandwich West Twp.....		23,196.89	42,828.51	66,025.40			
Sarnia.....	2,091,630.76	220,295.18		2,311,925.94			
Scarborough Twp.....	1,398,072.13	395,085.68		1,793,157.81			
Seaforth.....	175,764.81	12,988.69		188,753.50	3,518.52	140.74	37.05
Shelburne.....	62,514.04	6,251.64		68,765.68			
Simcoe.....	379,294.22	35,857.69	970.26	416,122.17	1,353.28	54.13	14.25
Smith's Falls.....	375,610.48	38,591.37	463.75	414,665.60			
Smithville.....	20,457.75	3,030.12		23,487.87			
Southampton.....	63,798.88	7,002.80		70,801.68			
Springfield.....	24,234.29	1,791.86		26,026.15			
Stamford Twp.....	415,695.94	65,946.15		481,642.09			
Stayner.....	56,449.74	6,015.40		62,465.14			
Stirling.....	38,516.61	4,482.33		42,998.94			
Stoney Creek.....	32,811.89	11,544.91		44,356.80			
Stouffville.....	69,349.59	8,805.47		78,155.06			
Stratford.....	1,602,246.65	116,311.21		1,718,557.86	16,687.56	667.50	175.72
Strathroy.....	268,018.14	21,487.21		289,505.35	2,218.42	88.74	23.36
Streetsville.....	41,091.32	9,443.81		50,535.13			
Sunderland.....	30,144.59	2,573.11		32,717.70			
Sundridge.....	2,818.84	1,245.47		4,064.31			
Sutton.....	63,198.47	6,477.14		69,675.61			
Swansea.....	333,256.89	32,987.59		366,244.48			
Tara.....	26,981.99	2,274.30		29,256.29			
Tavistock.....	128,973.84	8,932.26		137,906.10			
Tecumseh.....	91,307.37	8,570.04		99,877.41			
Teeswater.....	39,867.61	3,618.08		43,485.75			
Thamesford.....	51,100.11	4,050.97		55,151.08	306.74	12.27	3.23
Thamesville.....	54,597.36	4,862.75		59,460.11	564.10	22.56	5.94
Thedford.....	31,617.71	2,711.59		34,329.30			
Thornbury.....	11,069.83	2,380.41		13,450.24			
Thorndale.....	24,723.85	1,849.85		26,573.70	215.57	8.62	2.27
Thornton.....	9,817.02	805.86		10,622.88			
Thorold.....	397,125.83	56,791.07		453,916.90			
Tilbury.....	167,589.79	13,220.39		180,810.18	777.78	31.11	8.19
Tillsonburg.....	281,968.79	25,422.28		307,391.07	3,041.79	121.67	32.03
Toronto.....	55,182,279.71	4,313,707.04		59,495,986.75	469,372.29	18,774.87	4,942.49
Toronto Twp.....	690,492.96	153,438.86		843,931.82	1,169.99	46.80	12.32
Tottenham.....	32,194.25	2,685.21		34,879.46			
Trafalgar Twp.....	93,542.30	26,702.68		120,244.98			
Trenton.....	440,699.41	61,826.57		502,525.98			
Tweed.....	47,889.47	5,471.01		53,360.48			
Uxbridge.....	71,616.42	7,856.67		79,473.09			
Vankleek Hill.....	3,084.17	1,787.97		4,872.14			
Victoria Harbour.....	20,444.89	1,943.22		22,388.11			
Walkerton.....	108,763.92	13,893.48		122,657.40			

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1956

(concluded)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1956	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1956	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1956		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Wallaceburg.....	695,148.98	58,821.38	.....	753,970.36	3,095.92	123.84	32.60
Wardsville.....	12,630.19	1,143.96	.....	13,774.15	.....	.....	.....
Warkworth.....	14,723.47	1,512.07	.....	16,235.54	.....	.....	.....
Wasaga Beach.....	4,698.41	2,934.61	.....	7,633.02	.....	.....	.....
Waterdown.....	65,053.36	6,034.09	.....	71,087.45	975.31	39.01	10.27
Waterford.....	92,445.24	7,021.47	.....	99,466.71	638.18	25.53	6.72
Waterloo.....	879,198.59	81,117.24	.....	960,315.83	10,081.67	403.27	106.16
Watford.....	79,644.01	6,979.95	.....	86,623.96	.....	.....	.....
Waubashene.....	17,280.68	1,775.87	.....	19,056.55	.....	.....	.....
Welland.....	1,089,329.36	94,023.95	.....	1,183,353.31	32,995.25	1,319.81	347.44
Wellesley.....	42,581.89	3,190.60	.....	45,772.49	.....	.....	.....
Wellington.....	38,732.31	3,857.83	.....	42,590.14	.....	.....	.....
West Lorne.....	81,985.35	7,494.64	.....	89,479.99	.....	.....	.....
Weston.....	736,443.44	61,397.03	.....	797,840.47	2,704.65	108.19	28.48
Westport.....	20,673.58	2,085.86	.....	22,759.44	.....	.....	.....
Wheatley.....	51,521.74	4,873.78	.....	56,395.52	.....	.....	.....
Whitby.....	214,691.63	38,659.77	.....	253,351.40	.....	.....	.....
Warton.....	63,560.67	7,125.96	.....	70,686.63	.....	.....	.....
Williamsburg.....	18,702.05	1,646.19	.....	20,348.24	.....	.....	.....
Winchester.....	67,285.36	6,965.94	.....	74,251.30	.....	.....	.....
Windermere.....	9,630.37	878.65	.....	10,509.02	.....	.....	.....
Windsor.....	8,986,732.68	658,962.44	.....	9,645,695.12	34,532.76	1,381.31	363.63
Wingham.....	135,792.20	12,844.58	.....	148,636.78	.....	.....	.....
Woodbridge.....	123,931.12	13,530.91	.....	137,462.03	954.42	38.18	10.05
Woodstock.....	1,267,263.88	110,907.18	.....	1,378,171.06	14,322.89	572.92	150.82
Woodville.....	26,105.85	1,932.14	.....	28,037.99	.....	.....	.....
Wyoming.....	26,763.41	2,530.57	.....	29,293.98	.....	.....	.....
York Twp.....	2,789,513.44	315,425.98	.....	3,104,939.42	.....	.....	.....
Zurich.....	38,559.21	2,987.73	.....	41,546.94	.....	.....	.....
Total—Municipalities....	165,620,118.90	16,101,452.04	53,738.04	181,775,308.98	1,071,785.37	42,871.42	11,285.90
Rural Power District....	25,520,421.07	3,681,690.33	53,738.04	29,148,373.36	.....	.....	.....
Administrative and service buildings and equipment	2,408,569.67	303,613.78	.....	2,712,183.45	.....	.....	.....
Grand Total.....	193,549,109.64	20,086,756.15 (See note)	.....	213,635,865.79	1,071,785.37	42,871.42	11,285.90

NOTE—The net provision and interest credited during the year consist of the following amounts shown in the statement of sinking fund reserve:—

Interest.....	\$ 7,741,960.47
Provision—direct.....	12,191,682.00
—indirect.....	207,271.00
	\$20,140,913.47
Less credits resulting from matured sinking funds.....	54,157.32
	\$20,086,756.15

NORTHERN ONTARIO

FIXED

Statement of Changes During

Property	Balance in service at January 1, 1956	Changes during	
		Placed in service	Equipment relocated and reclassified
Power System	\$	\$	\$
GENERATING STATIONS			
NORTHEASTERN DIVISION			
Abitibi River			
Abitibi Canyon.....	19,192,669	27,327	.....
Mississagi River			
George W. Rayner.....	18,449,005	28,472	12,327
Other properties.....	22,281,490	267,145	29,248
	59,923,164	322,944	41,575
NORTHWESTERN DIVISION			
Nipigon River			
Pine Portage.....	31,870,942	28,577	.....
Cameron Falls.....	10,497,885	320	.....
Alexander.....	7,725,825	419	.....
Aguasabon River			
Aguasabon.....	12,641,766	1,202	.....
English River			
Caribou Falls.....	.....	.....	.....
Manitou Falls.....	.....	13,714,473	.....
Winnipeg River			
Whitedog Falls.....	.....	.....	.....
Other properties.....	9,726,451	669,550	41,550
	72,462,869	14,413,703	41,550
Total generating stations.....	132,386,033	14,736,647	25
TRANSFORMER STATIONS			
Northeastern Division.....	15,858,868	578,020	34,181
Northwestern Division.....	6,336,587	1,094,933	34,156
Total transformer stations.....	22,195,455	1,672,953	25
TRANSMISSION LINES			
Northeastern Division.....	22,637,661	433,753	156,871
Northwestern Division.....	22,050,247	2,034,831	.....
Total transmission lines.....	44,687,908	2,468,584	156,871
LOCAL SYSTEMS			
Northeastern Division.....	2,734,981	104,472	102,192
Northwestern Division.....	805,444	52,527	11,808
Total local systems.....	3,540,425	156,999	114,000
COMMUNICATIONS.....	3,511,054	33,466	3,160
Total power system.....	206,320,875	19,001,717	274,031

PROPERTIES

ASSETS

Year 1956 and Balances at December 31, 1956

year					
	Sales and retirements	Balance in service at December 31, 1956	Under construction at December 31, 1956	Total fixed assets at December 31, 1956	Expenditures during 1956
	\$	\$	\$	\$	\$
		19,219,996	37,202	19,257,198	63,279
	8,285	18,456,865	23,915	18,480,780	50,240
	18,092	22,501,295	100,852	22,602,147	327,584
	26,377	60,178,156	161,969	60,340,125	441,103
	272	31,899,247	47,094	31,946,341	49,628
	3,434	10,494,771	644,509	11,139,280	634,674
		7,725,406	946,549	8,671,955	938,903
		12,642,968	10,404	12,653,372	11,606
			3,222,422	3,222,422	3,222,422
		13,714,473	230,501	13,944,974	2,739,444
			11,324,947	11,324,947	10,631,834
	50,413	10,387,138	422,563	10,809,701	660,880
	54,119	86,864,003	16,848,989	103,712,992	18,889,391
	80,496	147,042,159	17,010,958	164,053,117	19,330,494
	125,343	16,345,726	744,919	17,090,645	1,092,316
	16,877	7,380,487	102,380	7,482,867	1,076,525
	142,220	23,726,213	847,299	24,573,512	2,168,841
	206,495	23,021,790	1,040,377	24,062,167	1,428,669
	86,733	23,998,345	666,368	24,664,713	1,652,722
	293,228	47,020,135	1,706,745	48,726,880	3,081,391
	12,308	2,929,337	96,805	3,026,142	153,239
	374,384	495,395	6,625	502,020	37,718
	386,692	3,424,732	103,430	3,528,162	190,957
	41,011	3,439,737	106,517	3,546,254	58,525
	943,647	224,652,976	19,774,949	244,427,925	24,830,208

NORTHERN ONTARIO

FIXED

Statement of Changes During

Property	Balance in service at January 1, 1956	Changes during	
		Placed in service	Equipment relocated and reclassified
Administrative and Service Buildings and Equipment	\$	\$	\$
BUILDINGS.....	782,038	480,456	.....
OFFICE AND SERVICE EQUIPMENT.....	677,472	89,292	.....
Total administrative and service buildings and equipment.....	1,459,510	569,748	
Rural Power District.....	28,488,845	2,325,516	274,031
Total fixed assets.....	236,269,230	21,896,981	.....

Changes in Assets Under Construction During 1956

Under construction at January 1, 1956.....	\$ 14,593,865
Expenditures during 1956	27,442,976
	\$ 42,036,841
Less—Placed in service during 1956.....	21,896,981
Under construction at December 31, 1956.....	\$ 20,139,860

PROPERTIES

ASSETS

Year 1956 and Balances at December 31, 1956

year .				
Sales and retirements	Balance in service at December 31, 1956	Under construction at December 31, 1956	Total fixed assets at December 31, 1956	Expenditures during 1956
\$	\$	\$	\$	\$
..... 179,535	1,262,494 587,229	165,361	1,427,855 587,229	287,294 89,292
179,535	1,849,723	165,361	2,015,084	376,586
136,075	30,404,255	199,550	30,603,805	2,236,182
1,259,257	256,906,954	20,139,860	277,046,814	27,442,976

Summary of Sales and Retirements During 1956

Charged to accumulated depreciation.	\$ 466,039
Proceeds from sales credited to fixed assets account.	793,218
	<u>\$ 1,259,257</u>

NORTHERN ONTARIO

Accumulated Depreciation, December 31, 1956

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balances at January 1, 1956 ..	27,389,655	2,577,343	381,583	30,348,581
Add:				
Interest at 3% per annum on accumulated depreciation required on plant not fully depreciated.....	832,722	77,687	11,116	921,525
Provision in the year				
—direct (Note).....	1,839,209	879,330	.....	2,718,539
—indirect.....	.....	.....	74,885	74,885
Salvage recoveries less removal costs of assets retired.....	118,548	18,724	.....	137,272
Adjustments re transfer of equipment.....	7,182	7,182	.....	.....
Other adjustments.....	42,069	2,395	.....	39,674
	30,145,247	3,548,297	467,584	34,161,128
Deduct:				
Cost of fixed assets retired and accumulated depreciation on fixed assets sold	300,686	71,532	93,821	466,039
Balances at December 31, 1956	29,844,561	3,476,765	373,763	33,695,089

NOTE—The provision in the year includes an additional 1% provision amounting to \$295,650 for the Rural Power District fixed assets in service.

Exchange Discount and Premium on Funded Debt, December 31, 1956

	Discount	Premium
	\$	\$
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1956.....	100,097	183,205
Discount on \$5,000,000 bonds issued May 15, 1956.....	89,108	.....
Balances at December 31, 1956.....	189,205	183,205

Frequency Standardization Account, December 31, 1956

Frequency standardization provision charged to cost of power for the year.....	\$ 287,607
Less expenditures for frequency standardization work during year.....	7,082
Balance at December 31, 1956.....	\$ 280,525

PROPERTIES

Stabilization of Rates and Contingencies Reserve, December 31, 1956

	Power system	Rural Power District	Total
	\$	\$	\$
Balances at January 1, 1956.....	12,634,536	279,025	12,913,561
Add:			
Interest for year on reserve balances (Note 1)	410,602	9,068	419,670
Provision in the year.....	2,261,866	.....	2,261,866
Transfer from employer's liability insurance fund of excess reserve accumulated in prior years.....	206,250	.....	206,250
Miscellaneous credits.....	12,400	.....	12,400
Balances at December 31, 1956 (Note 2).....	15,525,654	288,093	15,813,747

NOTE 1—Interest for the year on the reserve balances was credited at 3.25%, which reflected the actual earnings on the investments held for these reserves.

NOTE 2—The balance of \$15,525,654 at credit of the power system reserve at December 31, 1956 includes an amount of \$2,231,834 held specifically for the benefit of those municipalities which were supplied with power at cost in the former Thunder Bay System at January 1, 1952, the date on which that system was merged with the Northern Ontario Properties.

Sinking Fund Reserve, December 31, 1956

	Province of Ontario			Municipalities supplied with power at cost	
	40-year basis	Prepaid sinking funds	Total	40-year basis	Total
	\$	\$	\$	\$	\$
Balances at January 1, 1956.....	22,416,446	13,598,302	36,014,748	10,272,934	46,287,682
Add:					
Interest at 4% per annum on reserve balances.....	896,658	543,932	1,440,590	410,917	1,851,507
Provision in the year—direct.....	2,126,594	.....	2,126,594	245,580	2,372,174
—indirect.....	11,045	.....	11,045	.....	11,045
	25,450,743	14,142,234	39,592,977	10,929,431	50,522,408
Deduct credits resulting from prepaid and matured sinking funds:					
Interest.....	*9,611	543,932	553,543	.....	553,543
Principal.....	*2,530	158,274	160,804	.....	160,804
	12,141	702,206	714,347	.....	714,347
Balances at December 31, 1956.....	25,438,602	13,440,028	38,878,630	10,929,431	49,808,061

*The matured sinking funds at January 1, 1956 amounted to \$240,258.

NORTHERN ONTARIO
STATEMENT OF THE
For the Year

	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Provision for frequency standardization
	Average of monthly peak loads corrected for power factor	Energy		
Municipalities supplied with power at cost:	kw	'000 kwh	\$	\$
Atikokan Twp.....	2,484.7	13,002.0	84,904.82	.....
Dryden.....	1,757.8	9,989.2	87,668.98	.....
Fort William.....	29,023.8	180,303.1	842,509.94	.....
Nipigon Twp.....	928.2	4,889.6	24,785.89	.....
Port Arthur.....	34,351.0	173,548.5	941,766.59	.....
Red Rock.....	619.1	3,058.0	15,924.00	.....
Schreiber Twp.....	775.2	4,291.2	19,866.84	.....
Terrace Bay.....	1,093.9	6,209.6	27,243.73	.....
Total—Municipalities..	71,033.7	395,291.2	2,044,670.79	.....
Province of Ontario:				
Rural Power District....	37,607.1	186,618.8	4,713,765.65	18,803.55
Other customers.....	537,606.5	3,729,896.6	18,198,685.11	268,803.25
Total—Province of Ontario.....	575,213.6	3,916,515.4	22,912,450.76	287,606.80
GRAND TOTAL.....	646,247.3	4,311,806.6	24,957,121.55	287,606.80

Notes on Cost of Power Statement

NORTHERN ONTARIO PROPERTIES

1. The total of \$24,957,121.55 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased.....	\$ 450,640
Interchange of power with Southern Ontario System.....	1,365,587
Operation, maintenance and administrative expenses.....	10,898,943
Interest.....	7,865,585
Depreciation.....	2,718,539
Sinking fund provision.....	2,372,174
Credit resulting from prepaid and matured sinking fund.....	714,347
	<u>\$24,957,121</u>

Interchange of power with the Southern Ontario System shown in the statement of operations at \$1,365,587 represents the cost of 524,800,000 kilowatt-hours of energy transferred from the Southern Ontario System less the cost of 3,363,000 kilowatt-hours of energy transferred to that system. The cost was determined on the basis of the average annual cost of energy, generated and purchased, and the cost of the facilities used for the interchange.

The credit of \$714,347 resulting from prepaid and matured sinking fund consists of a principal amount of \$160,804 and interest at 4 per cent amounting to \$553,543 applicable to prepaid and matured sinking funds aggregating \$13,838,560 at the beginning of the year.

PROPERTIES

COST OF POWER

Ended December 31, 1956

Provision for stabilization of rates and contingencies	Total cost of power and energy after reduction resulting from prepaid and matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
8,696.45	93,601.27	99,388.00	5,786.73	40.00	37.67
6,152.30	93,821.28	91,406.89	2,414.39	52.00	53.37
101,583.30	944,093.24	972,298.15	28,204.91	33.50	32.53
3,248.70	28,034.59	32,021.75	3,987.16	34.50	30.20
120,228.50	1,061,995.09	1,082,054.92	20,059.83	31.50	30.92
2,166.85	18,090.85	19,872.31	1,781.46	32.10	29.22
2,713.20	22,580.04	27,907.50	5,327.46	36.00	29.13
3,828.65	31,072.38	39,379.50	8,307.12	36.00	28.41
248,617.95	2,293,288.74	2,364,329.02	71,040.28	....	....
131,624.85	4,864,194.05	3,780,412.50	1,083,781.55	....	....
1,881,622.75	20,349,111.11	21,656,735.55	1,307,624.44	....	....
2,013,247.60	25,213,305.16	25,437,148.05	223,842.89	....	....
2,261,865.55	27,506,593.90	27,801,477.07	294,883.17	....	....

2. The provision for stabilization of rates and contingencies of \$2,261,865.55 consists of a charge of \$3.50 per kilowatt of the average monthly peak load supplied to all customers.

3. The provision for frequency standardization consists of a charge of 50 cents per kilowatt of the average monthly peak load supplied to all customers served on behalf of the Province of Ontario.

4. The method used in 1955 of allocating the cost of power supplied to each customer was followed in 1956 with the exception of high-voltage transmission costs in the Northeastern Division which were allocated in 1956 on a kilowatt basis while in 1955 these costs were allocated on a kilowatt-mile basis. No change was made in 1956 in the basis of allocating these costs in the Northwestern Division.

5. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. In addition to this, excess energy is sold on a kilowatt-hour basis to customers for use in electric boilers. Such energy is included in the total energy supplied to other customers. As it is classed as secondary power, however, it is not included in the average monthly peak load supplied to other customers. The revenue from this source was as follows:

	<i>Paper companies</i>	<i>Other customers</i>	<i>Total</i>
Gross revenue.....	\$197,489.80	\$ 29,606.09	\$227,095.89
Less costs related thereto.....	101,089.73	313.17	101,402.90
Net revenue.....	\$ 96,400.07	\$ 29,292.92	\$125,692.99

The gross revenue is included in the amount of \$21,656,736 billed to other customers for the account of the Province of Ontario.

NORTHERN ONTARIO PROPERTIES

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1956

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon		
	Balance at January 1, 1956	Net provision and interest credited during year	Balance at December 31, 1956
	\$	\$	\$
Atikokan Twp.....	.....	9,249.01	9,249.01
Dryden.....	16,846.42	9,870.74	26,717.16
Fort William.....	3,452,988.16	240,307.43	3,693,295.59
Nipigon Twp.....	60,243.97	5,358.66	65,602.63
Port Arthur.....	6,654,616.32	380,385.15	7,035,001.47
Red Rock.....	20,354.30	2,528.26	22,882.56
Schreiber Twp.....	23,920.44	3,503.15	27,423.59
Terrace Bay.....	43,963.93	5,295.42	49,259.35
Total—Municipalities..	10,272,933.54	656,497.82	10,929,431.36
Province of Ontario.....	36,014,747.98	2,863,881.77	38,878,629.75
Grand Total.....	46,287,681.52	3,520,379.59 (See note)	49,808,061.11

NOTE: The net provision and interest credited during the year consist of the following amounts shown in the statement of the sinking fund reserve:—

Interest.....	\$ 1,851,507.26
Provision—direct.....	2,372,174.00
—indirect.....	11,045.00
	\$ 4,234,726.26
Less credits resulting from prepaid and matured sinking funds...	714,346.67
	<u>\$ 3,520,379.59</u>

APPENDIX III—RURAL

POWER is delivered in wholesale quantities by the Commission to 105 rural operating areas in the rural power district. Within the areas, retail customers are supplied under the following five classes of service: farm, hamlet, commercial, summer, and industrial power. The description of these classes of service and the rates applicable to them at December 31, 1956 are included in this appendix.

Description of Main Classes of Service

Farm service means service rendered to a property used for the production of food or industrial crops. It provides electrical service to all farm buildings and equipment located on a farm and used for farm purposes, including equipment required for processing the products of that farm. Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm and occupied by persons engaged in its operation. Additional dwellings or domestic establishments located on a farm property and occupied by persons otherwise engaged are classed as hamlet service. Small properties of five acres and less are classified as hamlet service unless special circumstances warrant a classification as farm service.

Hamlet service is provided to domestic establishments in a community served as part of a rural operating area, or to isolated residences in a rural area when these are not classified as farm service.

Commercial service applies to a wide variety of business or community establishments such as hotels, offices, stores, churches, schools, or small manufacturing and processing plants. Sign and display lighting is included.

Summer service is applicable to properties normally used only during the summer months.

Industrial power service is 3-phase service to such power users as creameries, cheese factories, and chopping mills. It includes industrial establishments and such other loads as cannot be supplied by commercial single-phase service.

Rural Rate Structure

Rural rates in effect throughout the Province are given in the accompanying table. They are quoted on a monthly basis, except for summer service, which is quoted on an annual basis. Each contract within each class of service has a rating and the energy used is billed on the basis of a three-step energy rate,

the bill being subject to a monthly minimum, or with respect to summer service, to an annual fixed charge. The number of kilowatt-hours billed at the first and second energy rates and the amount of the minimum monthly bill or the annual fixed charge depend on the contract rating. For all contracts with a demand rating (FD, HD, CD, SD, and Industrial Power) these aspects of the bill are based on measured demand and are subject to minima related to demands established in previous billing periods.

Rural Power District

RATES AND TYPICAL BILLS FOR ELECTRICAL SERVICE

as at December 31, 1956

Rates are quoted on a monthly basis for all services but summer service, which are quoted on an annual basis. All are subject to 10% prompt payment discount.

Class and service rating	No. of kwh in first block	No. of kwh in second block	Demand rate per kw	Energy rate per kwh for			Minimum monthly bill (gross)	Net monthly bill for		
				First block of kwh	Second block of kwh	All additional kwh		100 kwh	300 kwh	500 kwh
Farm			\$	¢	¢	¢	\$	\$	\$	\$
F35.....	60	180	}				2.25	3.37	7.45	10.15
F50.....	100	300					3.75	4.05	8.73	12.42
FD (Min. 10 kw)....	10*	30*					0.40*	.....	8.73†	12.42†
Hamlet			These rates are uniform for Farm, Hamlet, Commercial, and Summer Service							
H20.....	60	80					1.67	3.37	6.46	9.16
H35.....	60	180					2.25	3.37	7.45	10.15
H50.....	80	300					3.75	3.71	8.39	11.88
HD (Min. 10 kw)....	10*	30*					0.40*	.....	8.73†	12.42†
Commercial										
C20.....	60	120	}				1.50	3.37	6.86	9.56
C35.....	90	180					2.25	3.88	8.26	10.96
C50.....	150	300					3.75	4.05	9.58	13.77
CD (Min. 10 kw)....	15*	30*					0.40*	.....	9.58†	13.77†
Summer§										
S20.....	150§	450§	}				16.67x	4.05§	9.58§	14.26§
S35.....	225§	675§					22.22x	4.05§	10.87§	15.55§
S50.....	375§	1,125§					25.00x	4.05§	12.15§	18.12§
SD (Min. 10 kw)....	40§*	120§*		4.5	2.6	1.5	2.50x*	.....	12.15§†	18.54§†
Net monthly bill for use of 1 kw of demand										
								100 hours	200 hours	300 hours
Demand Group								\$	\$	\$
FD (Min. 10 kw)....	10*	30*	}				0.40*	1.92	3.27	4.62
HD " ".....	10*	30*					0.40*	1.92	3.27	4.62
CD " ".....	15*	30*					0.40*	2.05	3.40	4.75
SD " ".....	40§*	120§*					2.50x*	3.02§	4.97§	6.32§
Power										
1.....	50*	50*	1.35	2.3	1.5	0.33	.....	2.92	3.22	3.52
2.....	50*	50*	1.35	2.6	1.7	0.33	.....	3.15	3.45	3.74
3.....	50*	50*	1.35	2.8	1.8	0.33	.....	3.28	3.58	3.88
4.....	50*	50*	1.35	3.1	2.0	0.33	.....	3.51	3.81	4.10
5.....	50*	50*	1.35	3.4	2.2	0.33	.....	3.73	4.03	4.33
6.....	50*	50*	1.35	3.7	2.4	0.33	.....	3.96	4.26	4.55
7.....	50*	50*	1.35	4.0	2.6	0.33	.....	4.18	4.48	4.78
8.....	50*	50*	1.35	4.6	3.0	0.33	.....	4.63	4.93	5.23

*Per kw of demand.
§On annual basis.

x Gross annual fixed charge.
† Calculated on basis of minimum demand of 10 kw.

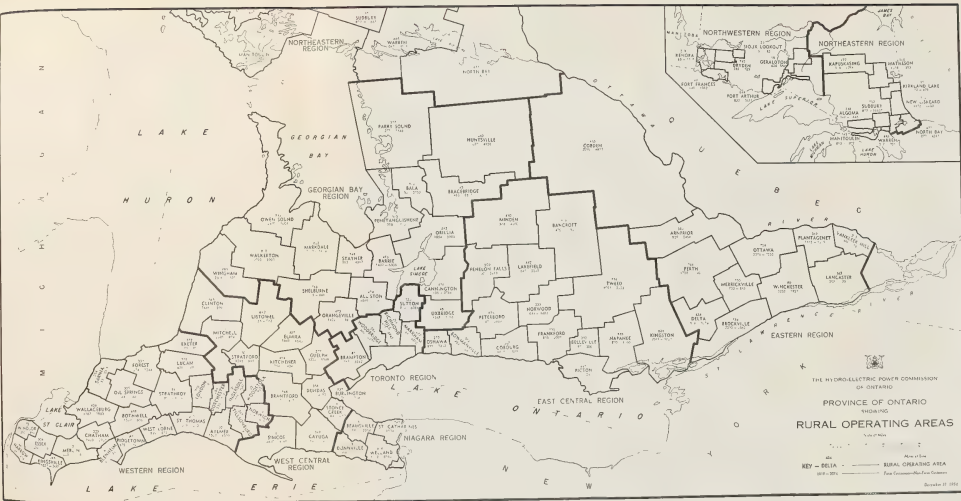
For farm, hamlet, commercial, and summer service the rate schedules are uniform throughout the Province. For industrial power service there are eight different schedules and these are numbered in the foregoing table. The alphabetical list of the 105 rural operating areas which follows indicates the number of the power service rate applicable to each area.

**Rural Operating Areas
and
Industrial Power Service Schedules in Effect**

Rural operating area	Schedule	Rural operating area	Schedule	Rural operating area	Schedule
Algoma.....	8	Geraldton.....	8	Parry Sound.....	5
Alliston.....	5	Guelph.....	4	Penetanguishene....	5
Arnprior.....	4	Harrow.....	6	Perth.....	4
Aylmer.....	5	Huntsville.....	5	Peterborough.....	1
Bala.....	4	Ingersoll.....	4	Pictou.....	5
Bancroft.....	7	Kapuskasing.....	6	Plantagenet.....	4
Barrie.....	5	Kenora.....	8	Port Arthur.....	5
Beamsville.....	4	Kingston.....	4	Richmond Hill.....	4
Belleville.....	4	Kingsville.....	5	Ridgetown.....	6
Blenheim.....	5	Kirkland Lake....	6	St. Catharines.....	3
Bothwell.....	6	Kitchener.....	4	St. Thomas.....	5
Bowmanville....	4	Lakefield.....	4	Sarnia.....	5
Bracebridge....	4	Lancaster.....	4	Shelburne.....	5
Brampton.....	4	Listowel.....	4	Simcoe.....	4
Brantford.....	4	London.....	4	Sioux Lookout.....	8
Brockville.....	4	Lucan.....	5	Stayner.....	4
Burlington.....	4	Manitoulin.....	8	Stoney Creek.....	2
Cannington.....	5	Markdale.....	4	Caledonia Section	4
Cayuga.....	6	Markham.....	4	Stratford.....	4
Chatham.....	4	Matheson.....	6	Strathroy.....	5
Clinton.....	5	Merlin.....	6	Sudbury.....	6
Cobden.....	4	Merrickville....	4	Sutton.....	5
Cobourg.....	4	Minden.....	6	Tillsonburg.....	4
Delta.....	4	Mitchell.....	5	Tweed.....	5
Dorchester.....	5	Napanee.....	4	Uxbridge.....	5
Dryden.....	8	New Liskeard....	6	Vankleek Hill.....	4
Dundas.....	4	North Bay.....	6	Walkerton.....	5
Dunnville.....	5	Norwich.....	4	Wallaceburg.....	5
Elmira.....	4	Norwood.....	5	Warren.....	6
Essex.....	6	Oil Springs.....	6	Welland.....	1
Exeter.....	5	Orangeville.....	6	West Lorne.....	6
Fenelon Falls....	5	Orillia.....	3	Winchester.....	4
Forest.....	6	Oshawa.....	4	Windsor.....	4
Fort Frances....	8	Ottawa.....	2	Wingham.....	5
Frankford.....	4	Owen Sound.....	5	Woodbridge.....	5
				Woodstock.....	4

Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1956

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
WESTERN								
Aylmer.....	331.77	1,562	1,041	212	11	129	6	2,961
Blenheim.....	140.35	651	481	118	.....	214	8	1,472
Bothwell.....	417.52	1,539	399	191	.....	.....	15	2,144
Chatham.....	328.42	1,423	2,612	307	.....	.....	36	4,378
Dorchester.....	205.55	838	719	152	.....	2	11	1,722
Essex.....	303.58	1,534	1,304	197	13	627	20	3,695
Exeter.....	271.99	1,175	339	120	9	446	12	2,101
Forest.....	330.33	1,374	244	141	28	824	7	2,618
Harrow.....	245.95	1,357	1,152	156	17	1,401	15	4,098
Ingersoll.....	298.29	1,051	465	104	3	24	4	1,651
Kingsville.....	285.37	1,837	1,476	253	48	1,194	38	4,846
London.....	370.47	1,189	10,864	778	1	17	107	12,956
Lucan.....	371.26	1,401	184	109	.....	1	5	1,700
Merlin.....	392.63	1,638	554	216	3	339	16	2,766
Norwich.....	212.08	917	330	95	.....	.....	8	1,350
Oil Springs.....	354.56	1,441	276	187	.....	.....	6	1,910
Ridgetown.....	186.79	673	308	84	20	630	7	1,722
St. Thomas.....	309.72	1,229	1,863	247	.....	11	10	3,360
Sarnia.....	284.48	1,183	2,221	295	8	538	7	4,252
Strathroy.....	511.11	1,926	752	250	.....	.....	9	2,937
Tillsonburg.....	246.87	1,050	911	190	.....	.....	17	2,168
Wallaceburg.....	456.07	1,787	1,346	309	2	307	19	3,770
West Lorne.....	257.74	949	201	115	.....	54	3	1,322
Windsor.....	72.72	290	708	108	.....	.....	5	1,111
Woodstock.....	222.92	895	752	159	.....	.....	11	1,817
Total.....	7,408.54	30,909	31,502	5,093	163	6,758	402	74,827
WEST CENTRAL								
Brantford.....	547.75	2,213	1,124	283	4	10	6	3,640
Burlington.....	136.65	507	5,798	289	.....	18	59	6,671
Cayuga.....	519.40	1,935	908	269	19	1,173	22	4,326
Clinton.....	644.66	2,441	865	328	6	692	8	4,340
Dundas.....	355.59	1,732	3,012	279	.....	2	22	5,047
Elmira.....	486.99	1,641	1,164	270	11	176	22	3,284
Guelph.....	376.66	1,322	1,347	177	.....	17	7	2,870
Kitchener.....	494.16	1,759	2,763	430	1	182	48	5,183
Listowel.....	611.56	2,535	635	308	.....	9	11	3,498
Mitchell.....	556.26	2,381	606	252	.....	.....	16	3,255
Simcoe.....	786.38	3,430	2,824	479	29	1,453	14	8,229
Stoney Creek...	304.24	1,184	5,423	446	1	148	41	7,243
Stratford.....	301.38	1,265	643	163	.....	.....	9	2,080
Total.....	6,121.68	24,345	27,112	3,973	71	3,880	285	59,666



Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1956

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
NIAGARA								
Beamsville.....	361.39	2,149	1,886	324	.....	105	39	4,503
Dunnville.....	272.88	1,064	792	198	46	1,063	13	3,176
St. Catharines...	282.47	1,534	8,696	549	6	241	67	11,093
Welland.....	454.37	1,522	6,992	734	32	731	73	10,084
Total.....	1,371.11	6,269	18,366	1,805	84	2,140	192	28,856
TORONTO								
Brampton.....	581.81	1,967	2,646	328	19	306	43	5,309
Markham.....	276.80	1,165	3,654	344	23	539	30	5,755
Richmond Hill..	294.17	977	5,908	563	3	218	53	7,722
Sutton.....	333.03	973	2,479	351	106	3,130	15	7,054
Woodbridge....	394.32	1,306	2,634	490	1	96	56	4,583
Total.....	1,880.13	6,388	17,321	2,076	152	4,289	197	30,423
GEORGIAN BAY								
Alliston.....	474.10	1,869	776	227	2	24	11	2,909
Bala.....	204.21	52	617	97	68	1,965	5	2,804
Barrie.....	496.14	1,439	2,631	401	71	3,381	21	7,944
Bracebridge....	433.25	485	984	186	86	2,558	3	4,302
Cannington.....	455.56	1,156	932	212	26	2,585	9	4,920
Huntsville.....	563.15	639	1,571	268	112	2,186	21	4,797
Markdale.....	622.18	2,120	795	289	4	520	6	3,734
Orangeville.....	472.83	1,422	1,280	290	6	434	8	3,440
Orillia.....	562.61	1,054	2,047	400	109	3,338	11	6,959
Owen Sound....	912.45	2,409	1,693	492	121	2,694	8	7,417
Parry Sound....	377.42	277	1,227	220	83	1,001	12	2,820
Penetanguishene.	508.40	998	1,073	200	126	4,366	8	6,771
Shelburne.....	717.70	2,326	381	224	1	35	.....	2,967
Stayner.....	348.50	1,131	1,059	232	203	2,820	3	5,448
Uxbridge.....	486.89	1,548	1,103	262	17	1,205	9	4,144
Walkerton.....	820.21	2,992	898	361	17	613	14	4,895
Wingham.....	684.55	2,506	657	328	11	638	4	4,144
Total.....	9,140.15	24,423	19,724	4,689	1,063	30,363	153	80,415

Rural Power District

MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1956

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
EAST CENTRAL								
Bancroft.....	269.14	420	761	131	21	666	3	2,002
Belleville.....	232.22	797	2,692	314	2	54	19	3,878
Bowmanville....	304.15	936	1,007	192	26	107	9	2,277
Cobourg.....	566.73	1,656	1,501	309	62	926	11	4,465
Fenelon Falls...	501.53	1,030	721	236	131	2,789	11	4,918
Frankford.....	538.25	1,858	1,363	294	13	420	7	3,955
Kingston.....	800.98	2,089	3,683	621	20	1,270	28	7,711
Lakefield.....	442.39	649	874	227	74	2,073	1	3,898
Minden.....	449.62	368	1,484	316	133	2,642	5	4,948
Napanee.....	557.79	1,890	1,226	368	34	320	12	3,850
Norwood.....	334.83	844	441	118	23	817	4	2,247
Oshawa.....	278.68	892	2,768	320	5	215	25	4,225
Peterborough...	616.46	1,747	2,105	362	47	960	15	5,236
Picton.....	449.22	1,732	1,461	294	37	624	11	4,159
Tweed.....	535.79	1,081	1,101	318	71	737	1	3,309
Total.....	6,877.78	17,989	23,188	4,420	699	14,620	162	61,078
EASTERN								
Arnprior.....	385.21	929	1,038	273	27	1,112	16	3,395
Brockville.....	584.30	2,050	2,179	446	39	873	25	5,612
Cobden.....	964.99	2,090	3,185	691	82	872	25	6,945
Delta.....	433.93	1,019	727	242	42	1,060	3	3,093
Lancaster.....	563.23	2,081	1,342	412	5	235	17	4,092
Merrickville....	250.19	732	629	113	3	135	5	1,617
Ottawa.....	707.81	2,376	6,146	660	11	384	51	9,628
Perth.....	760.55	1,729	886	318	29	1,404	3	4,369
Plantagenet....	368.65	1,515	835	319	.....	48	13	2,730
Vankleek Hill...	212.56	900	511	178	2	64	12	1,667
Winchester.....	780.44	3,233	1,336	526	5	39	21	5,160
Total.....	6,011.86	18,654	18,814	4,178	245	6,226	191	48,308

Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1956

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
NORTHERN ONTARIO PROPERTIES								
NORTHEASTERN								
Algoma	238.44	349	883	331	35	192	5	1,795
Kapuskasing	191.80	516	1,685	222	3	170	14	2,610
Kirkland Lake . . .	92.38	73	175	52	16	254	1	571
Manitoulin	542.67	813	1,533	496	71	678	24	3,615
Matheson	510.14	1,058	1,036	230	3	296	18	2,641
New Liskeard	554.98	1,170	1,248	308	34	330	13	3,103
North Bay	676.93	1,079	2,805	474	113	976	29	5,476
Sudbury	551.99	879	9,899	750	7	951	50	12,536
Warren	445.52	1,017	1,196	354	91	409	9	3,076
Total	3,804.85	6,954	20,460	3,217	373	4,256	163	35,423
NORTHWESTERN								
Dryden	242.02	383	455	147	27	157	3	1,172
Fort Frances	490.80	941	695	247	38	68	4	1,993
Geraldton	58.19	.....	455	144	6	7	14	626
Kenora	218.17	188	578	90	91	603	6	1,556
Port Arthur	843.54	1,830	2,334	361	8	969	9	5,511
Sioux Lookout . . .	23.14	16	109	14	7	54	1	201
Total	1,875.86	3,358	4,626	1,003	177	1,858	37	11,059

SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1956

System and Region	Miles of primary line	Number of customers						
		Farm	Hamlet	Com-mercial	Summer		Power	Total
					Com-mercial	Other		
SOUTHERN ONTARIO SYSTEM								
Western.....	7,408.54	30,909	31,502	5,093	163	6,758	402	74,827
West Central...	6,121.68	24,345	27,112	3,973	71	3,880	285	59,666
Niagara.....	1,371.11	6,269	18,366	1,805	84	2,140	192	28,856
Toronto.....	1,880.13	6,388	17,321	2,076	152	4,289	197	30,423
Georgian Bay...	9,140.15	24,423	19,724	4,689	1,063	30,363	153	80,415
East Central....	6,877.78	17,989	23,188	4,420	699	14,620	162	61,078
Eastern.....	6,011.86	18,654	18,814	4,178	245	6,226	191	48,308
Total.....	38,811.25	128,977	156,027	26,234	2,477	68,276	1,582	383,573
NORTHERN ONTARIO PROPERTIES								
Northeastern....	3,804.85	6,954	20,460	3,217	373	4,256	163	35,423
Northwestern...	1,875.86	3,358	4,626	1,003	177	1,858	37	11,059
Total.....	5,680.71	10,312	25,086	4,220	550	6,114	200	46,482
Total—All systems	44,491.96	139,289	181,113	30,454	3,027	74,390	1,782	430,055

Rural Power District

INVESTMENT IN FIXED ASSETS AT COST AS AT DECEMBER 31, 1956

System and Region	1955	1956	Net increase
SOUTHERN ONTARIO SYSTEM	\$	\$	\$
Western.....	33,866,304	34,032,950	166,646
West Central.....	27,840,684	29,167,865	1,327,181
Niagara.....	8,114,238	8,671,551	557,313
Toronto.....	11,134,234	12,066,366	932,132
Georgian Bay.....	35,477,857	38,143,906	2,666,049
East Central.....	28,492,117	30,784,484	2,292,367
Eastern.....	24,329,405	26,616,679	2,287,274
Total.....	169,254,839	179,483,801	10,228,962
NORTHERN ONTARIO PROPERTIES			
Northeastern.....	20,037,140	21,544,135	1,506,995
Northwestern.....	8,740,588	9,059,670	319,082
Total.....	28,777,728	30,603,805	1,826,077
Total—All systems.....	198,032,567	210,087,606	12,055,039
Provincial assistance.....	98,708,695	104,725,238	6,016,543

Rural Electrical Service 1946-1956

CUSTOMERS, REVENUE, AND CONSUMPTION BY CLASSES OF SERVICE

Class of service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	¢
Farm.....	1946	3,072,921.16	176,460,859	72,285	214	1.74
	1947	3,430,307.61	206,420,795	78,990	227	1.66
	1948	3,942,730.96	242,273,102	88,754	241	1.63
	1949	4,508,978.00	275,946,330	102,786	240	1.63
	1950	7,441,437.92	403,018,641	114,725	265	1.85
	1951	8,097,710.92	410,722,321	123,434	287	1.97
	1952	9,017,321.17	468,478,642	129,451	309	1.92
	1953	11,053,487.41	510,783,290	133,522	324	2.16
	1954	12,207,502.58	561,672,463	136,013	347	2.17
	1955	12,915,852.58	597,063,469	138,648	362	2.16
	1956	13,671,336.65	646,557,636	139,289	388	2.11
Hamlet.....	1946	2,345,531.81	118,287,655	65,661	157	1.98
	1947	2,754,265.59	150,411,043	74,556	179	1.83
	1948	3,279,149.63	185,225,412	85,838	193	1.77
	1949	3,552,600.42	200,875,642	98,453	182	1.77
	1950	5,712,108.72	302,905,040	115,464	202	1.89
	1951	6,380,808.20	314,271,957	124,091	219	2.03
	1952	7,253,640.00	366,600,438	133,193	238	1.98
	1953	9,560,018.46	430,507,266	150,627	253	2.22
	1954	11,194,393.02	510,800,965	160,552	274	2.19
	1955	12,734,130.77	592,590,431	177,398	292	2.15
	1956	14,639,910.88	709,141,756	181,113	330	2.06
Commercial.....	1946	468,391.94	25,069,924	10,291	216	1.87
	1947	572,625.58	33,304,037	12,079	248	1.72
	1948	706,949.62	41,665,764	13,489	272	1.70
	1949	1,147,167.71	69,458,813	15,576	398	1.65
	1950	2,083,696.71	113,039,553	17,879	483	1.84
	1951	2,284,851.74	115,121,444	20,110	505	1.98
	1952	2,457,032.13	125,932,132	24,564	470	1.95
	1953	3,385,239.46	149,120,428	28,870	465	2.27
	1954	3,707,824.28	166,176,082	30,403	467	2.23
	1955	3,996,936.76	186,698,211	32,509	495	2.14
	1956	4,444,185.15	211,082,610	33,481	533	2.11
Summer.....	1946	555,833.10	18,352,748	24,368	66	3.03
	1947	632,102.22	21,116,561	27,615	68	2.99
	1948	722,951.54	24,440,522	31,175	69	2.96
	1949	855,107.11	28,038,463	37,536	68	3.05
	1950	1,376,606.36	32,307,669	43,733	66	4.26
	1951	1,616,368.92	36,705,187	49,913	65	4.40
	1952	1,826,359.64	40,319,422	55,159	64	4.53
	1953	1,833,881.12	34,287,310	57,547	51	5.35
	1954	2,034,199.00	38,613,327	62,183	54	5.27
	1955	2,214,360.48	40,493,631	68,600	52	5.47
	1956	2,478,450.51	46,121,627	74,390	54	5.37
Power.....	1946	695,585.62	52,234,081	757	6,378	1.33
	1947	791,701.84	56,514,985	813	6,000	1.40
	1948	868,667.70	64,376,898	833	6,519	1.35
	1949	922,265.51	62,692,652	944	5,880	1.47
	1950	1,429,465.54	87,983,478	1,010	6,433	1.62
	1951	1,562,608.29	87,692,082	1,058	7,067	1.78
	1952	1,799,924.89	102,608,301	1,170	7,676	1.75
	1953	2,147,899.48	121,310,479	1,289	8,222	1.77
	1954	2,545,737.21	148,176,508	1,466	8,964	1.72
	1955	2,934,852.81	171,202,169	1,681	9,067	1.71
	1956	3,402,416.31	207,252,224	1,782	9,975	1.64

APPENDIX IV—LEGISLATIVE

AT the 1956 Session of the Legislative Assembly of the Province of Ontario three Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

The Niagara Development Amendment Act, 1956, Chapter 54.

The Power Commission Amendment Act, 1956, Chapter 66.

The St. Lawrence Development Amendment Act, 1956, Chapter 85.

ACTS

CHAPTER 54

An Act to amend The Niagara Development Act, 1951

Assented to March 28th, 1956

Session Prorogued March 28th, 1956

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Clause *f* of section 1 of *The Niagara Development Act, 1951* is repealed and the following substituted therefor:

1951, c. 55,
s. 1, cl. *f*,
re-enacted

- (*f*) “works” includes all roads, plant, machinery, buildings, erections, constructions, installations, materials, devices, fittings, apparatus, appliances, equipment and other property for the development, generation, transformation, transmission, conveying, distribution, supply or use of power.

1951, c. 55,
s. 5, subs 1,
amended

2. Subsection 1 of section 5 of *The Niagara Development Act, 1951* is amended by inserting after " 'the Department' " in the eighth line " 'Her Majesty' " and by adding at the end thereof the words "and where land or property is taken compulsorily by the Commission, such taking shall be deemed to be for the public purposes of Ontario", so that the subsection shall read as follows:

Commission
to have
powers of
Minister
of Public
Works

- (1) In relation to all matters authorized by this Act, except acquisition from The Niagara Parks Commission, the Commission shall have and may exercise and enjoy, in addition to the powers conferred upon it by this and any other Act, all the powers conferred upon the Minister of Public Works in relation to a public work by *The Public Works Act*, and in the application of this section, where the words "the Minister", "the Department", "Her Majesty" or "the Crown" appear in that Act, they shall, where the context permits, mean the Commission, and where land or property is taken compulsorily by the Commission, such taking shall be deemed to be for the public purposes of Ontario.

R.S.O. 1950,
c. 323

Commence-
ment

- 3.** This Act comes into force on the day it receives Royal Assent.

Short title

- 4.** This Act may be cited as *The Niagara Development Amendment Act, 1956*.

CHAPTER 66

An Act to amend The Power Commission Act

Assented to March 28th, 1956

Session Prorogued March 28th, 1956

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

R.S.O. 1950,
c. 281, s. 24,
subs. 3,
amended

- 1.**—(1) Subsection 3 of section 24 of *The Power Commission Act* is amended by inserting after " 'the Department' " in the seventh line " 'Her Majesty' " and by adding at the end thereof "and where land or property is taken compulsorily by the Commission, such taking shall be deemed to be for the public purposes of Ontario", so that the subsection shall read as follows:

Commission
to have
powers of
Minister
of Public
Works

- (3) In relation to all matters authorized by the Lieutenant-Governor in Council under this section, the Commission shall have and may exercise and enjoy, in addition to the

powers conferred by this or any other Act, all the powers conferred upon the Minister of Public Works in relation to a public work by *The Public Works Act*, and in the application of this section, where the words "the Minister", "the Department", "Her Majesty" or "the Crown" appear in that Act, they shall, where the context permits, mean the Commission, and where land or property is taken compulsorily by the Commission, such taking shall be deemed to be for the public purposes of Ontario.

R.S.O. 1950,
c. 328

(2) The said section 24 is amended by adding thereto the following subsection:

R.S.O. 1950,
c. 281, s. 24,
amended

(9) *The Regulations Act* does not apply to any authorization by the Lieutenant-Governor in Council under this section.

R.S.O. 1950,
c. 337 not
to apply

2. Clause *a* of section 26 of *The Power Commission Act* is amended by adding at the end thereof "and, with their consent, works wherever situate of other persons who are supplying or purchasing or otherwise delivering or accepting delivery of power to or from the Commission", so that the clause shall read as follows:

R.S.O. 1950,
c. 281, s. 26,
cl. a,
amended

(a) for the purposes of standardizing and making uniform the periodicity in alternations of current at which it supplies electrical power or energy, alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever else may be necessary in respect of its works and works held by it under section 84 and, with their consent, works wherever situate of other persons who are supplying or purchasing or otherwise delivering or accepting delivery of power to or from the Commission.

3.—(1) Subsections 1 and 2 of section 32 of *The Power Commission Act* are repealed and the following substituted therefor:

R.S.O. 1950,
c. 281, s. 32,
subss. 1, 2,
re-enacted

(1) Notwithstanding anything in this or any other Act, whenever the Commission has been authorized by the Lieutenant-Governor in Council to exercise any of its powers with respect to conducting, conveying, transmitting, distributing, supplying, furnishing or delivering power, it may proceed under the following provisions of this section.

Mode of
exercising
and extent
of powers

(2) The Commission may, without notice or without the deposit of any plan or description or any prerequisite or preliminary action or formality, and with or without the consent of the owner thereof, enter upon, take possession of and use for such time as the Commission may deem desirable any land which the Commission may deem to be required for the

Commission
may enter,
etc., without
notice

due exercise of any of its powers with respect to conducting, conveying, transmitting, distributing, supplying, furnishing or delivering of power, and may construct upon the land any works requisite for any such purpose.

R.S.O. 1950,
c. 281, s. 32,
subs. 11,
amended

(2) Subsection 11 of the said section 32 is amended by inserting after "notice" in the first line "which, if written, may be given by mailing it by registered letter addressed to him at his last known place of abode", so that the subsection shall read as follows:

Mode of
perfecting
title

(11) The owner, upon reasonable notice which, if written, may be given by mailing it by registered letter addressed to him at his last known place of abode, attend at a place to be fixed by the Commission, and execute such necessary instruments or documents as the Commission may require upon tender to him of the Commission's cheque for the amount awarded by the judge or Board or member thereof or fixed by the valuator, and costs, if any, less such costs as may have been awarded against him, and in the event of his failing to attend and execute such instruments or documents, or if for any reason the Commission deems it desirable, the Commission may file in the registry office or land titles office, as the case may be, in the district or county in which the land affected is situate, a plan and description of the land, right or easement so taken, signed by the secretary of the Commission, or by an Ontario land surveyor, and thereupon such land, right or easement shall be and become vested in the Commission.

R.S.O. 1950,
c. 281, s. 46,
amended

4. Section 46 of *The Power Commission Act*, as amended by section 5 of *The Power Commission Amendment Act, 1951*, section 6 of *The Power Commission Amendment Act, 1952* and section 3 of *The Power Commission Amendment Act, 1953*, is further amended by striking out "*The Provincial Loans Act*" in the second and third lines and inserting in lieu thereof "*The Financial Administration Act, 1954*", so that the section shall read as follows:

Government
authorized
to raise
funds for
work of
Commission

46. The Lieutenant-Governor in Council may raise by way of loan in the manner provided by *The Financial Administration Act, 1954* such sums as the Lieutenant-Governor in Council may deem requisite for the purposes of this Act and of *The Niagara Development Act, 1951* and of *The St. Lawrence Development Act, 1952 (No. 2)*, and the sums so raised may either be advanced to the Commission or applied by the Treasurer of Ontario in the purchase of notes, bonds, debentures or other securities of the Commission issued by the Commission under the authority of this Act.

1954, c. 30;
1951, c. 55
1952 (2nd
Sess.), c. 3

5. Subsection 1 of section 104 of *The Power Commission Act* is repealed and the following substituted therefor:

R.S.O. 1950,
c. 281, s. 104,
subs. 1,
re-enacted

(1) The rates and charges for supplying power, and the rents and charges to meet the cost of any work or service done or furnished for the purposes of a supply of power, chargeable by any municipal corporation generating or receiving and distributing power shall be subject at all times to the approval and control of the Commission, and the rates, and such rents and charges, charged by any company or individual receiving power from the Commission for the supply of power shall be subject at all times to such approval and control.

Rates and
charges
to be
approved

6. Clauses *a*, *b* and *c* of subsection 1 of section 112 of *The Power Commission Act* are repealed.

R.S.O. 1950,
c. 281, s. 112,
subs. 1,
cls. *a-c*,
repealed

7. This Act comes into force on the day it receives Royal Assent.

Commence-
ment

8. This Act may be cited as *The Power Commission Amendment Act, 1956*.

Short title

CHAPTER 85

An Act to amend

The St. Lawrence Development Act, 1952 (No. 2)

Assented to March 28th, 1956

Session Prorogued March 28th, 1956

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1.—(1) Section 1 of *The St. Lawrence Development Act, 1952* (No. 2) is amended by adding thereto the following clause:

1952
(2nd Sess.),
c. 3, s. 1,
amended

(*dd*) "owner" includes mortgagee, lessee, tenant, occupant or any person entitled to a limited estate or interest, and a guardian, committee, executor, administrator or trustee in whom land or any property or interest therein is vested.

1952
(2nd Sess.),
c. 3, s. 1,
cl. h, re-
enacted

(2) Clause *h* of the said section 1 is repealed and the following substituted therefor:

- (h) “works” includes all roads, plant, machinery, buildings, erections, construction, installations, materials, devices, fittings, apparatus, appliances, equipment and other property for the development, generation, transformation, transmission, conveying, distribution, supply or use of power, or required for or incidental to the other matters authorized by this Act.

1952
(2nd Sess.),
c. 3, s. 13,
subs. 1,
amended

2. Subsection 1 of section 13 of *The St. Lawrence Development Act, 1952 (No. 2)* is amended by inserting after “Board” in the fourth line “by the owner”, so that the subsection shall read as follows:

Where notice
given

- (1) Where notice has been given by the Commission under section 12, no claim of any kind for compensation in respect of the subject-matter of the notice shall be referred to the Board by the owner unless the claim and particulars thereof have been filed with the Commission within the period prescribed in the notice or within such further period as may in any case be agreed upon by the Commission.

1952
(2nd Sess.),
c. 3, s. 23,
amended

3. Section 23 of *The St. Lawrence Development Act, 1952 (No. 2)* is amended by adding at the end thereof “and subsection 8 of section 24 of *The Power Commission Act* applies *mutatis mutandis* to every act and proceeding of the Commission under this Act”, so that the section shall read as follows:

Compensa-
tion to be
under Act

23. All claims and proceedings in respect of compensation or damages for any land or property acquired, taken or used in or injuriously affected in the carrying out of the purposes of this Act shall be brought under and in accordance with this Act and not otherwise, and subsection 8 of section 24 of *The Power Commission Act* applies *mutatis mutandis* to every act and proceeding of the Commission under this Act.

R.S.O. 1950,
c. 281

1952
(2nd Sess.),
c. 3,
amended

4. *The St. Lawrence Development Act, 1952 (No. 2)* is amended by adding thereto the following section:

Interpreta-
tion

23a.—(1) In this section,

- (a) “cemetery” means any land that is set apart or used as a place for the burial of the dead or in which human bodies have been buried;
- (b) “cemetery owner” means a person who owns, controls or manages a cemetery;
- (c) “lot” means a plot, grave or burial site in a cemetery.

- (2) Where in the opinion of the Commission it is necessary to flood, submerge or otherwise affect a cemetery for the purposes of this Act, it may apply to the Lieutenant-Governor in Council for an order closing the cemetery, and upon the Lieutenant-Governor in Council making an order so doing, the cemetery vests forthwith in the Commission. Powers of Commission respecting cemeteries in affected area: Closing of cemetery
- (3) Where a cemetery has been closed under this section, the Commission at its expense shall make available to the cemetery owner if requested in writing by him an equivalent area of land and shall put it into suitable condition for cemetery purposes, and if requested in writing by a lot owner in the cemetery so closed the cemetery owner shall make available to him, without cost to the lot owner, an equivalent lot in the substituted cemetery and shall accept for reburial in such substituted cemetery any human body removed under this section from the cemetery so closed. Substituted cemetery
- (4) Notwithstanding *The Cemeteries Act* or any other Act, where a cemetery has been closed under this section, the Commission may flood or submerge it whether or not all human bodies buried therein have been removed, but no such cemetery shall be flooded or submerged until six months after the Commission has given notice of its intention so to do by publication once each week for four successive weeks in a newspaper having general circulation in the locality in which the cemetery is situate. Submerging cemetery R.S.O. 1950, c. 46
- (5) Every such notice shall state, Notice
 - (a) the location of the cemetery to be flooded or submerged;
 - (b) the location of the cemetery which will be provided by the Commission if requested in accordance with subsection 3 in substitution for the cemetery to be flooded or submerged;
 - (c) that any lot owner may by written notice to the Commission, given within thirty days from the date of the last publication of the Commission's notice, require the Commission to remove to the substituted cemetery any human body buried in such lot.
- (6) Where a lot owner has required the Commission to remove a human body from the cemetery to be flooded or submerged, the Commission at its expense shall remove such human body to the substituted cemetery, but, where a lot Removal of bodies

owner requests that a human body be removed to a cemetery other than the substituted cemetery, the Commission shall assume only so much of the cost of removal as it would have been required to pay if the body had been removed to the substituted cemetery.

Applica-
tion of
R.S.O. 1950,
c. 46, ss. 30-
32

(7) Sections 30, 31 and 32 of *The Cemeteries Act* apply to the disinterment, removal and reburial of human bodies under this section.

Monuments

(8) The Commission shall remove all monuments, headstones or other markers from the cemetery to be flooded or submerged to the substituted cemetery and shall re-erect the same therein.

Liability
limited

(9) Where the Commission has carried out its duties in accordance with this section, it has no further obligation or liability for damages or compensation to cemetery owners or lot owners in respect of the matters dealt with in this section.

Commence-
ment

5. This Act comes into force on the day it receives Royal Assent.

Short title

6. This Act may be cited as *The St. Lawrence Development Amendment Act, 1956*.

ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Order in Council.

TOWNS		Loughborough.....	Jan. 10, 1957
Ajax.....	April 27, 1956	North Dumfries.....	Jan. 16, 1957
Bracebridge.....	Jan. 19, 1956	Orillia.....	June 4, 1956
Coniston.....	Sept. 6, 1956	Oso.....	Aug. 31, 1956
		Oxford-on-Rideau.....	Oct. 5, 1956
		Raleigh.....	Aug. 31, 1956
		Sandwich East.....	Aug. 28, 1956
		Sandwich South.....	Aug. 31, 1956
		Sandwich West.....	Feb. 1, 1956
		Sherborne.....	Nov. 29, 1956
		Tehkummah.....	July 24, 1956
		Vaughan.....	June 21, 1956
		Vaughan.....	Sept. 14, 1956
		Waterloo.....	Aug. 29, 1956
		West Ferris.....	April 10, 1956
		West Hawkesbury.....	Jan. 17, 1956
		IMPROVEMENT DISTRICTS	
		Elliot Lake.....	Mar. 22, 1956
		Kendrey.....	May 24, 1956

CORPORATIONS

Algom Uranium Mines Limited.....	Jan. 8, 1957
Aluminum Company of Canada, Limited.....	April 10, 1956
Aluminum Company of Canada, Limited.....	Nov. 29, 1956
Arcadian Nickel Corporation Limited.....	Aug. 31, 1956
Bata Shoe Company of Canada Limited, Batawa.....	Mar. 26, 1956
Bata Shoe Company of Canada Limited, Frankford.....	Mar. 26, 1956
Broulan Reef Mines Limited.....	July 23, 1956
Caland Ore Company Limited.....	July 10, 1956
Canada Cement Company, Limited.....	July 10, 1956
Canadian Carborundum Company, Limited.....	Jan. 11, 1957
Canadian Industries (1954) Limited.....	Jan. 17, 1956
Canadian Industries Limited.....	April 5, 1956
Canadian Industries Limited.....	Oct. 12, 1956
Canadian Johns-Manville Company.....	Mar. 5, 1956
Canadian Oil Refineries Limited.....	May 24, 1956
Canadian Rock Salt Company Limited.....	Aug. 8, 1956
Can-Met Explorations Limited.....	May 1, 1956
Coballoy Mines and Refiners Limited.....	April 23, 1956
Cochenour Willans Gold Mines, Limited.....	Feb. 13, 1956
Coldstream Copper Mines Limited.....	June 28, 1956
Coniaurum Mines Limited.....	Feb. 23, 1956
Consolidated Golden Arrow Mines Limited.....	Sept. 26, 1956
Consolidated Morrison Explorations, Limited.....	Sept. 26, 1956
Deloro Smelting & Refining Company, Limited.....	Jan. 17, 1956
Dome Mines Limited.....	Feb. 13, 1956
Dow Chemical of Canada, Limited.....	July 31, 1956
Du Pont Company of Canada Limited.....	Jan. 26, 1956
Dyno Mines Limited.....	May 10, 1956
Exolon Company.....	Feb. 23, 1956
Falconbridge Nickel Mines Limited (Township of Blezard).....	Aug. 21, 1956
Falconbridge Nickel Mines Limited (Township of Falconbridge).....	Aug. 21, 1956
Falconbridge Nickel Mines Limited (Township of Levack).....	Aug. 21, 1956
Faraday Uranium Mines Limited.....	Feb. 28, 1956
Gair Company Canada, Limited.....	Oct. 22, 1956
Great Lakes Paper Company, Limited.....	July 23, 1956
Hallnor Mines Limited.....	Feb. 29, 1956
Hayes Steel Products, Limited.....	July 10, 1956
Hollinger Consolidated Gold Mines Limited.....	Feb. 13, 1956
Huronian Company, Limited and International Nickel Company of Canada, Limited.....	Sept. 6, 1956
International Nickel Company of Canada, Limited.....	Nov. 22, 1956
Iroquois Constructors Limited.....	Dec. 27, 1956
Kennedy, The William & Sons, Limited.....	Dec. 20, 1956
Kirkland Lake Gold Mining Company, Limited.....	Feb. 23, 1956
Lake Nordic Uranium Mines Limited.....	April 5, 1956
Lake Shore Mines, Limited.....	Feb. 24, 1956
Lowphos Ore, Limited.....	Nov. 12, 1956
Macassa Mines Limited.....	Feb. 9, 1956
Madsen Red Lake Gold Mines Limited.....	June 21, 1956
Metro Asbestos Processors Limited.....	Sept. 26, 1956
Milliken Lake Uranium Mines Limited.....	June 28, 1956
Nama Creek Mines Limited.....	Feb. 28, 1956
New Dickenson Mines Limited.....	Oct. 12, 1956
Niagara Mohawk Power Corporation.....	Aug. 16, 1956

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Noranda Mines, Limited.....	Feb. 9, 1956
Page-Hersey Tubes, Limited.....	Aug. 31, 1956
Pamour Porcupine Mines Limited.....	Feb. 29, 1956
Panel Consolidated Uranium Mines Limited.....	July 25, 1956
Pater Uranium Mines Limited.....	Mar. 15, 1956
Paymaster Consolidated Mines Limited.....	Mar. 26, 1956
Peebles Products Limited.....	Jan. 9, 1957
Pembroke Electric Light Company Limited.....	June 25, 1956
Preston East Dome Mines, Limited.....	Aug. 21, 1956
Smythe, C., Limited.....	Oct. 11, 1956
Spanish American Mines Limited.....	April 5, 1956
Spruce Falls Power and Paper Company Limited.....	May 10, 1956
Stanleigh Uranium Mining Corporation Limited.....	Sept. 26, 1956
Stanrock Uranium Mines Limited.....	Jan. 8, 1957
Starratt Olsen Gold Mines, Limited.....	April 23, 1956
Strategic-Udy Metallurgical & Chemical Processes Limited.....	Dec. 27, 1956
Strathcona Paper Company, Limited.....	Aug. 8, 1956
Sun-Canadian Pipe Line Company Limited.....	July 12, 1956
Sylvanite Gold Mines, Limited.....	Feb. 29, 1956
Teck-Hughes Gold Mines, Limited.....	Feb. 23, 1956
Trans-Northern Pipe Line Company (Lancaster Station).....	June 4, 1956
Trans-Northern Pipe Line Company (Maitland Station).....	June 4, 1956
Upper Canada Mines Limited.....	Feb. 9, 1956
Wright-Hargreaves Mines Limited.....	Feb. 29, 1956

LIST OF ABBREVIATIONS

cfs —cubic feet per second
 C.L.C. —Canadian Labour Congress
 F.C. —Frequency-Changer
 G.S. —Generating Station
 hp —horsepower
 Imp. Dist. —Improvement District
 Jct. —Junction
 kv —kilovolt(s)
 kva —kilovolt-ampere(s)
 kvar —kilovar(s)
 kw —kilowatt(s)
 kwh —kilowatt-hour(s)
 mem —thousand circular mils

M.E.U. —Municipal Electrical Utilities
 min —minimum
 —minute (20-min)
 mm. —millimetre
 N.O.P. —Northern Ontario Properties
 psi —pounds per square inch
 R.O.A. —Rural Operating Area
 rpm —revolutions per minute
 S.O.S. —Southern Ontario System
 S.S. —Switching Station
 T.S. —Transformer Station
 Twp. —Township
 V.A. —Voted Area

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C = Statement "C"—Rates and Typical Bills for Electrical Service in Municipal Electrical Utilities and Local Systems
D = Statement "D"—Customers, Revenue, and Consumption in Municipal Electrical Utilities and Local Systems
L = Statement of Loads of Municipal Electrical Utilities and Local Systems
P = Statement of Cost of Power
S = Statement of Sinking Fund Equity

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NIAGARA RIVER REMEDIAL WORKS

The graceful structure of the Grass Island control dam, based on the Canadian shore, extends 1,550 feet into the Niagara River. Built by The Hydro-Electric Power Commission of Ontario, it was a major item of the remedial works program undertaken jointly by Canada and the United States under the terms of the Niagara Diversion Treaty of 1950, the cost being shared equally by the two countries. The control structure will contribute materially to the prime purpose of the remedial plan which was to preserve and enhance the beauty of the Niagara falls and make the maximum use of water available for power.



The Hydro-Electric Power Commission of Ontario

Fiftieth
Annual Report
for the Year
1957

This Report is published pursuant to The Power Commission Act,
Revised Statutes of Ontario, 1950, Chapter 281, Section 9.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

December 1957

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Secretary

LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 13, 1958

THE HONOURABLE JOHN KEILLER MACKAY, D.S.O., V.D., LL.D.

Lieutenant-Governor of Ontario

SIR:

I have the honour to present the Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1957.

In a year when there was evidence of some levelling off in the national economic rate of growth it is gratifying to note that our sales of electric power advanced at a very satisfactory rate. This provides a continuing basis for confidence in the promising future of the Province which finds expression in the Commission's ever-expanding program of generating project construction.

At Sir Adam Beck-Niagara Generating Station No. 2 three new generating units were in service at the pumping-generating station by the end of December, with the remaining three units scheduled to be placed in service in 1958. The fifteenth and sixteenth units in the main generating station will also be placed in service this year, marking the completion of the work which was begun in 1950 and which will have enabled the Commission to increase its installed capacity in Niagara River generating stations by 1,370,000 kilowatts.

At the St. Lawrence Power Project, which will produce power for the first time in July 1958, the principal structural elements were completed by the end of 1957. The excellent progress achieved has been due in no small measure to the splendid co-operation our construction teams have received from the Power Authority of the State of New York and the construction companies working on their behalf. The Commission is particularly grateful to those who have been involved in the complex problems of relocating communities and public facilities and who have enabled us to carry out this part of the work with remarkable despatch and a minimum of inconvenience to all.

Meanwhile, at seven locations in the Northern Ontario Properties work is being carried out on hydro-electric installations that will increase the total capacity of our resources by nearly 254,000 kilowatts.

These new hydraulic developments are dwarfed by the magnitude of present plans for the expansion of thermal-electric generating facilities. In Toronto work was well under way early in 1957 to increase the capacity of Richard L. Hearn Generating Station to 1,200,000 kilowatts, or three times its present size. Three

other large stations—Lakeview Generating Station on the lakeshore near Toronto, a similar station also on the shore of Lake Ontario to serve the Hamilton-Toronto area, and Thunder Bay Generating Station in Fort William—are scheduled for development as loads may require over the next ten years.

The feasibility of developing power from nuclear sources is the subject of continuing study, and the Commission is co-operating closely with Atomic Energy of Canada Limited and Canadian General Electric Company Limited in the development of the 20,000-kilowatt Nuclear Power Demonstration plant. Since the beginning of 1958 plans have been completed for a program under which the Commission and the Crown Company will jointly study development problems related to a large-scale nuclear generating station.

These plans and projects are selected for special comment from among the many dealt with more extensively in the body of the Report. Only brief mention can be made of other items of interest—the remarkable smoothness with which the extensive program of frequency standardization is rapidly approaching conclusion, and the expansion of supply facilities to serve the growing needs of our customers. A good deal of publicity has already been given to the recent adjustments in rural rates and the easing of conditions under which service is made available to rural customers. These adjustments have been most favourably received as a further step in extending the benefits of electrical living more widely throughout the Province.

As the number of customers increases from year to year, there is a corresponding increase in the Commission's investment in physical properties to supply them. Net revenues from the sale of power reflect the growing loads of the systems. The cost of providing service was favourably affected by the very satisfactory water conditions prevailing in 1957 and the consequent reduction in coal consumption in the thermal-electric stations.

I should like to express my personal appreciation of the assistance so generously given by my colleagues on the Commission. The Honourable T. Ray Connell resigned recently from the Commission to become Minister of Reform Institutions in the Provincial Government, and I convey to him our sincere appreciation and thanks for the valuable contribution he has made in the conduct of the Commission's affairs during his tenure of office. The Honourable Robert W. Macaulay was appointed to succeed Mr. Connell on May 26, 1958, and with his widely recognized abilities we welcome him to the Commission and wish him well as he undertakes his new responsibilities.

On behalf of the Commission I wish to pay tribute to the loyalty, efficiency, and technical skill of the members of the staff whose efforts have made possible another successful year in the Commission's record of service.

Respectfully submitted,

JAMES S. DUNCAN,
Chairman.

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FIFTIETH ANNUAL REPORT
OF
**The Hydro-Electric Power Commission
of Ontario**

FOREWORD

THE Hydro-Electric Power Commission of Ontario is a corporate entity, a self-sustaining public enterprise endowed with broad powers with respect to electricity supply throughout the Province of Ontario. Its authority is derived from an Act of the Provincial Legislature passed in 1906 to give effect to recommendations of earlier advisory commissions that the water powers of Ontario should be conserved and developed for the benefit of the people of the Province. It now operates under The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified from time to time (Revised Statutes of Ontario, 1950, c. 281, as amended). In addition to administering the enterprise over which it has direct control, the Commission exercises certain regulatory functions with respect to the province-wide group of municipal electrical utilities which it serves.

The Commission may have from three to six members, all of whom are appointed by the Lieutenant-Governor in Council. One commissioner must, and a second commissioner may, be a member of the Executive Council of the Province of Ontario. In the conduct of the Commission's affairs, the commissioners are responsible for, and are the final authority in establishing policy.

Systems and the Power Supply

For the financial and administrative purposes of the Commission, the Province is divided into two parts. The roughly triangular part of the Province lying south of Lake Nipissing and the French and Mattawa Rivers is served by the Southern Ontario System. It is a fully integrated power system comprising the Niagara, Eastern Ontario, and Georgian Bay Divisions. The northern part of the Province is served by the Northern Ontario Properties, comprising the Northeastern and Northwestern Divisions. The Southern Ontario System is a co-operative system primarily serving a large group of municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act. The Northern Ontario Properties are not a co-operative system, but the power facilities of the Northwestern Division do serve a small group of municipalities at cost. Apart from the supply of power to these cost-contract customers the Northern Ontario Properties are held and operated in trust for the Province of Ontario. Each of the two northern divisions is an integrated power system, the Northeastern Division being also interconnected with the Southern Ontario System. For administrative purposes the whole area served by the Commission is subdivided into nine regions, seven in the south and two in the north, with regional offices located in nine major municipalities. At present the two northern regions coincide with the Northeastern and Northwestern Divisions.

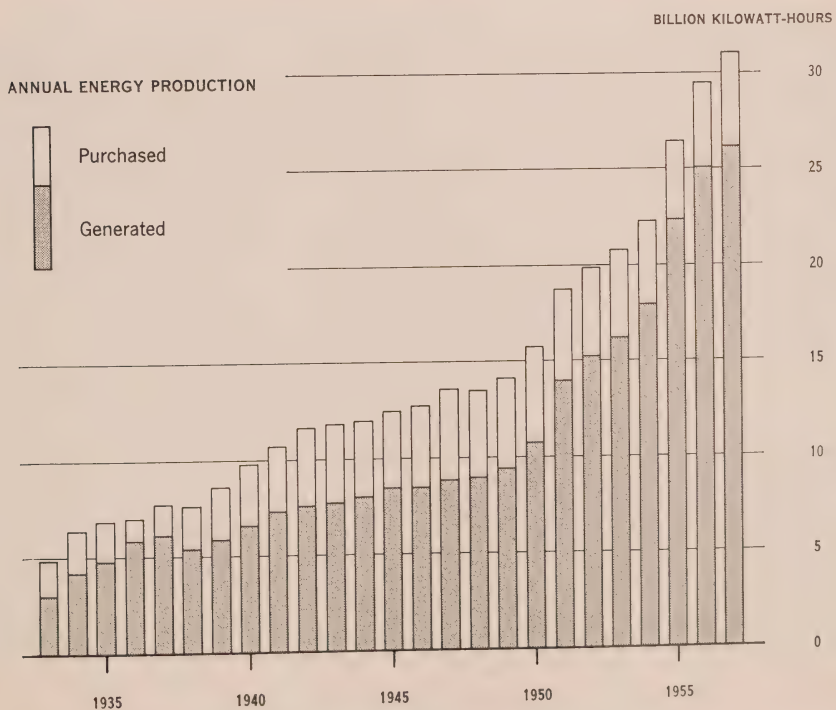
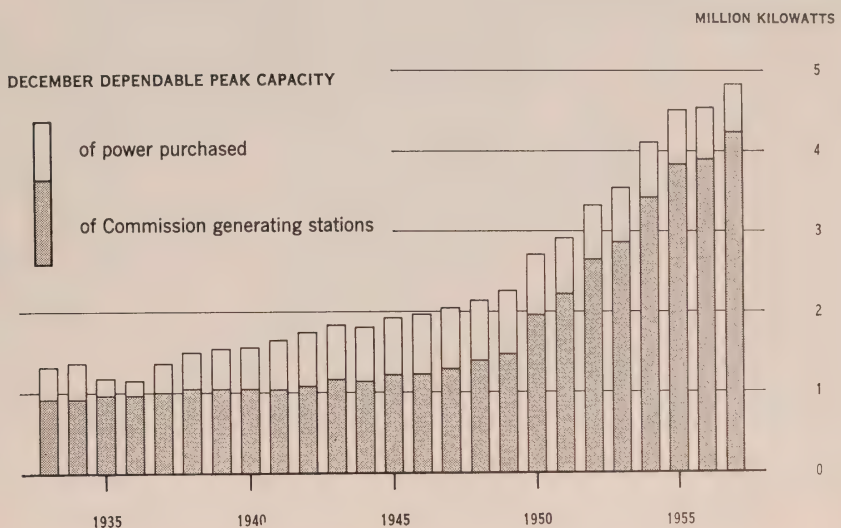
The primary function of the enterprise is to provide electric power by generation or purchase, and through a province-wide network of transformation and transmission facilities, to deliver this power either for resale by the associated municipal utilities or for use by some two hundred industrial customers served directly by the Commission. This aspect of operations accounts for about 90 per cent of the Commission's energy sales. (See pages 209-211.) The municipal utilities, in their turn, administered by local commissions and functioning under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act, own and operate their own distribution systems to serve ultimate customers in most cities and towns, in many villages, and in certain township areas. The remaining 10 per cent of the energy sold is disposed of as a secondary function of the Provincial Commission. This involves Commission ownership and operation of distribution facilities which provide retail service on behalf of the respective townships to ultimate customers in the rural areas of the Province and similar service to customers in a limited number of municipalities supplied by what are known as "Local Systems".

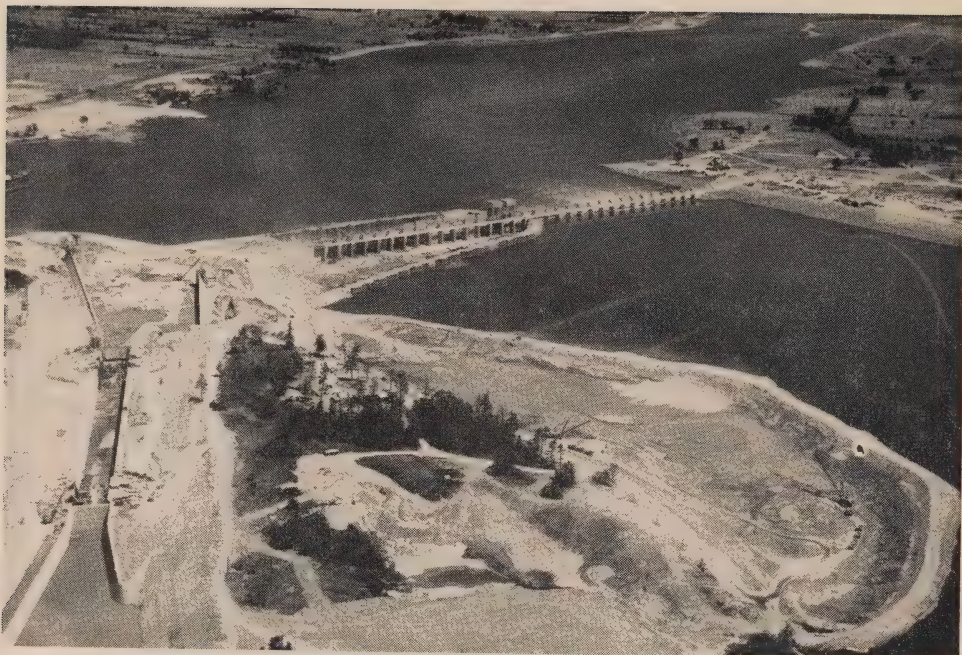
Financial Features

The basic principle governing financial operations of the undertaking and its associated municipal electrical utilities is that service is provided at cost. In the Commission's operations, cost of service includes payment for power purchased, charges for operating and maintaining the power systems, and related fixed charges. The fixed charges represent interest on debt, reserve provisions for depreciation

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION





ST. LAWRENCE POWER PROJECT—The final stages of construction of the control dam and lock at Iroquois. At the right, excavation is carried on behind a protective embankment. The 2,250-foot dam, completed in December 1957, now regulates the flow of water from Lake Ontario.

and for contingencies and rate stabilization, and the further provision of a sinking fund reserve for retiring the Commission's capital debt. The municipal utilities operating under cost contracts with the Commission are billed throughout the year at interim rates based on estimates of the cost of service. At the end of the year when the actual cost of service is established, the necessary balancing (debit or credit) adjustments are made in their accounts. Retail rates for the municipal utilities and for the rural areas are established at levels calculated to produce adequate revenue to meet the total cost of delivering power to the customer. The Commission's retail rate structure for rural customers designated as farm, hamlet, commercial, and summer service has been uniform throughout the Province since 1944.

The enterprise from its inception has been self-sustaining. The Province, however, guarantees the payment of principal and interest on all bonds issued by the Commission and held by the public. In addition, over a period of nearly forty years the Province has materially assisted the development of agriculture by contributing half the capital cost of rural distribution facilities.

Annual Summary—1957

Even with the moderate levelling off in the rapid economic expansion of the past three years, requirements for electric power continued to advance at a very satisfactory rate and showed a 6.0 per cent increase over those of 1956. The

Commission continues to extend its immense program of capital construction in anticipation of future growth in the Province.

The redevelopment of the Niagara River, begun in 1950, was virtually complete by the end of 1957 and three of the six units at the pumping-generating station which is such an unusual feature of the development were in operation. Construction at the St. Lawrence Power Project will continue for another two years but a number of the major items involved were either completed or approaching completion in readiness for initial operation of the generating station in the summer of 1958. These include the Long Sault dam, the Iroquois control dam, the Cornwall dike, and the re-establishment of road, rail, and other facilities to serve entire relocated communities. Meanwhile, at seven locations in the Northern Ontario Properties, including the development begun in 1957 at Silver Falls on the Kaministiquia River, work is being carried out on hydro-electric installations that will increase the total capacity by nearly 254,000 kilowatts.

The broad program of frequency standardization affecting over a million customers over an area of 12,000 square miles in southern Ontario has been practically completed in all but a closely circumscribed area of Toronto and Leaside. During 1957, surveys and inventories were undertaken in the Northeastern Division in preparation for extending the benefits of 60-cycle power to all domestic and rural customers in the division in 1958.

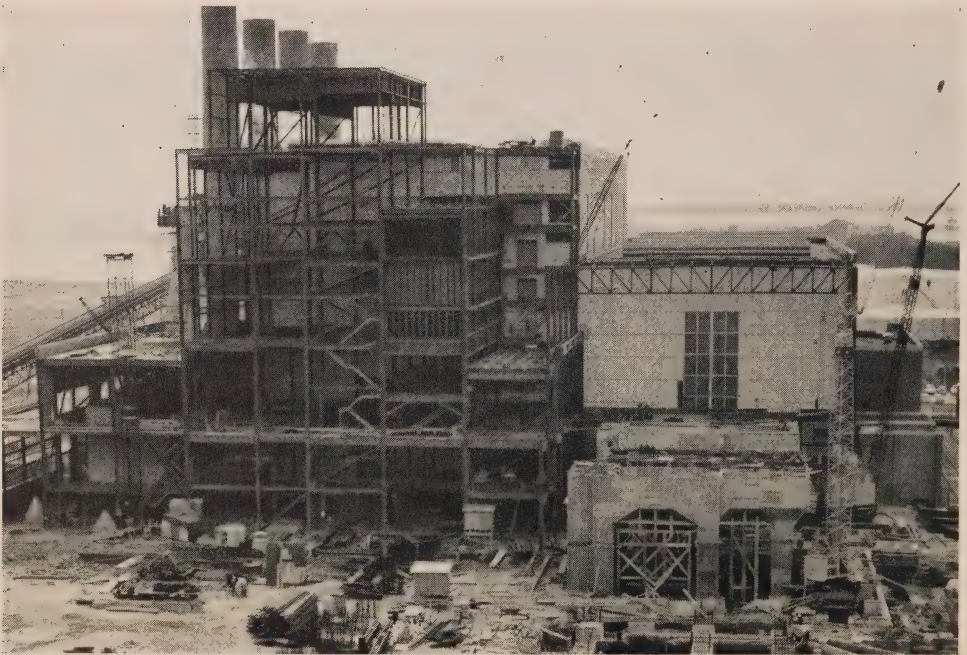


ST. LAWRENCE POWER PROJECT — The Long Sault dam, a curved-axis spillway structure about 2,250 feet long, extends across the main channel of the river from the western end of Barnhart Island to the United States mainland. It was built by the Power Authority of the State of New York.

Major construction was well under way in 1957 for the increase of Richard L. Hearn Generating Station in Toronto to 1,200,000 kilowatts, or three times its present size. Further plans were developed and initial steps were taken to establish three other thermal-electric stations—Thunder Bay Generating Station in Fort William, Lakeview Generating Station just west of Toronto, and a similar station also to serve the Toronto-Hamilton area. The present program involves the installation of one 100,000-kilowatt unit at Thunder Bay Generating Station and two 300,000-kilowatt units at Lakeview Generating Station.

The feasibility of power from nuclear sources in Canada is the subject of continuing study and the Commission is maintaining close contact with authorities at present engaged in programs to generate nuclear power both in Great Britain and in the United States. Actual engineering and construction of the Nuclear Power Demonstration plant was halted in 1957 to permit the introduction of an improved reactor design. Continuing studies carried out in collaboration with Atomic Energy of Canada Limited will enable the Commission, when feasible, to take a prominent part in carrying out the development of a large-scale nuclear power plant, thus advancing the date when nuclear power will become economic in Canada.

The fullest advantage is being taken of every economic means of sharing with neighbouring utilities the mutual benefits of system interconnection. With the progress of the program to standardize at 60-cycle frequency the facilities of the Commission's Quebec suppliers, the interconnection facilities are being still further improved.



RICHARD L. HEARN GENERATING STATION—Four new turbo-generators, each with a capacity of 200,000 kilowatts, will be added to this station. During 1957, steel to extend the powerhouse was erected and concrete turbine blocks were constructed for two of the units. The first of the new units will be placed in service in 1958.

The table on page 11 conveniently summarizes the growth during the past year in the Commission's power resources and in the requirements of customers. Revenues have increased correspondingly from \$186,311,140 in 1956 to \$200,796,472 in 1957, a growth of 7.8 per cent. Energy was delivered to 351 municipally owned distribution systems, to 219 direct industrial customers, and to Commission-owned distribution systems for the supply of customers in 28 municipalities and 104 rural operating areas. The total number of ultimate customers served by the combined networks of the Commission and the municipally owned systems was 1,674,062.

The value of fixed assets at cost was increased during the year by \$197,612,118 and at December 31 amounted to \$1,930,606,714. Total assets after deducting the accumulated depreciation on fixed assets were \$2,254,503,479.

The average number employed by the Commission over the twelve-month period was 19,597, of whom 14,172 were regular staff and 5,425 were temporary employees, for the most part construction workers.

GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the eight sections and four appendices of the Report which follow. Operations, finance, customer relations, and frequency standardization are the subjects of the first four sections and their related appendices. The narrative in Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports of weather conditions, maintenance, communications, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's balance sheets, statements of financial operations, and tables showing the funded debt and advances from the Province of Ontario. Appendix II includes supporting schedules and accounts in addition to the statements of reserves, sinking fund equity, and cost of power. In Section III consideration is given first to the supply of power in wholesale quantities to municipal and direct industrial customers and to the rural power district. Subsequently the retail aspects of service to customers in the rural operating areas are treated in some detail under the heading Rural Electrical Service in Section III, and in Appendix III. Another subsection of Section III, in the form of reports from the regions, deals with certain activities relative to service in municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff. Frequency standardization is the subject of Section IV, but the financial aspects of this project are included in Section II with the discussion of financial activities in general.

Engineering and construction activities are discussed in the two sections that follow. Section V deals with the planning and construction of facilities for the delivery of power. It includes descriptions of the more important construction

projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section VI contains reports on the progress of some of the investigations being conducted by members of the Commission's Research Division.

Section VII deals with aspects of employee relations and related subjects. Appendix IV deals with legislation relative to the Commission's affairs, and reports on other legal matters.

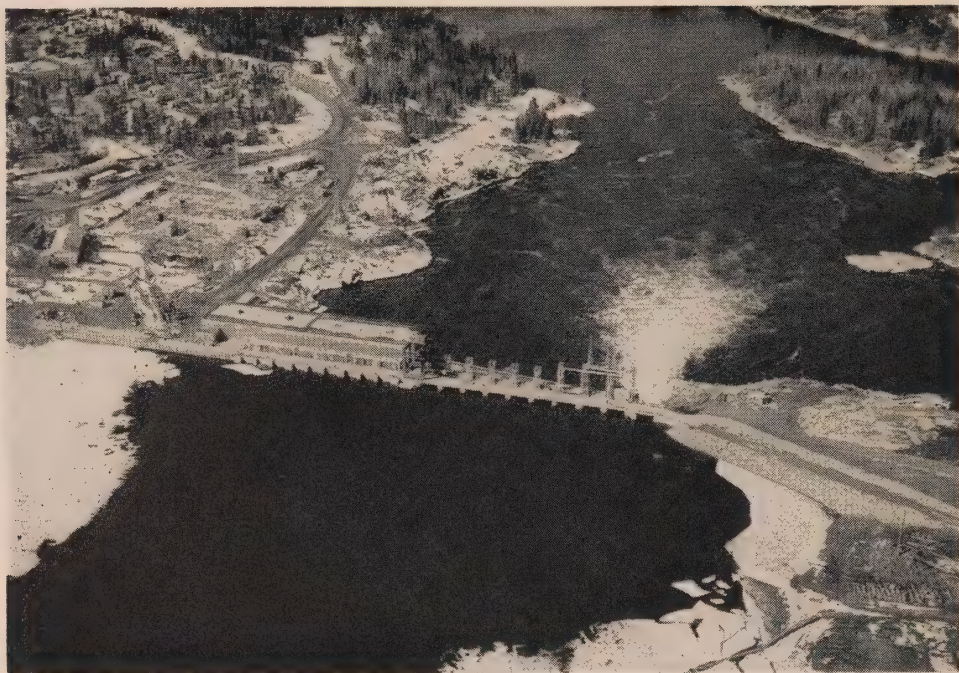
The largest section in the Report, Section VIII, is entitled Municipal Electrical Service. It comments briefly on the retail operations and financial status of the municipal electrical utilities. The commentary on retail operations, however, includes those services provided by the Commission through Commission-owned local municipal systems. The four statements that complete the section give balance sheets, operating statements, rates, and other statistical information relating to services in the municipalities supplied by the Commission. The first two statements include only the municipal utilities; the others include also the local systems.

SECTION I

OPERATION OF THE SYSTEMS

DURING 1957 power requirements continued to increase at satisfactory rates in all three operating systems, although the 6.0 per cent rate of increase in the systems as a whole fell somewhat short of the 1922-1957 long-term rate of 6.6 per cent. This was to some extent a reflection of the levelling off in the growth in productive output that had begun earlier in the year. The unusually mild weather prevailing during the December peak-load period was also a contributing factor. The effect was not apparent in the two northern divisions where there were substantial increases in rates of growth over the rates in 1956, but a small decline in rate of growth in the Southern Ontario System which represents about 80 per cent of the total was sufficient to outweigh these substantial increases.

The summary statistical table on page 11 indicates a 6.4 per cent or 292,000-kilowatt expansion in the capacity of the Commission's systems to meet increased requirements for power. The major contributions to this expansion were made by the placing in service of one of four additional units being installed at Sir Adam Beck-Niagara Generating Station No. 2 and the initial operation of the associated pumping-generating station where three of six planned units were placed in service. A second unit placed in operation at the main generating station in December was not available at the time of the annual peak. No new generating stations were built in the Northeastern Division but the benefits of expanded resources in the Southern Ontario System were made available to the Division through interconnection facilities. Two new power developments at Whitedog Falls and Caribou Falls



WHITEDOG FALLS GENERATING STATION—A new power development on the Winnipeg River in northwestern Ontario is an important addition to the Commission's resources. Three generating units, each with a capacity of 18,000 kilowatts, will be in service early in 1958.

were the centre of major construction activity in the Northwestern Division. These developments and extensions at three other stations in the same Division will come into service progressively beginning early in 1958.

As used in this section of the Report, capacity, expressed in kilowatts, is the measure of the capability of resources at the time the system power requirements reach an annual maximum in December. The customer's use of the available power is measured in kilowatt-hours. In order to meet customer requirements the Commission's resources, including sources of purchased power, were called upon to generate 7.3 per cent more kilowatt-hours in 1957 than in 1956. This increase, like the increase in peak, fell somewhat short of last year's 9.8 per cent. The term "requirements" represents the maximum that resources would be required to generate in meeting all primary commitments. If the available supply should exceed requirements, the surplus may be disposed of in the secondary market. During 1957 about 12 per cent of the total energy generated and purchased was secondary or surplus sales.

In 1957 the total kilowatt-hour output of the Commission's resources amounted to 31.1 billion kilowatt-hours, of which about 84 per cent was generated in the Commission's 64 hydro-electric and 5 thermal-electric stations. The total kilowatt-hour output of all resources was 5.3 per cent greater than in 1956. The table on pages 206 and 207 indicates the contributions made to this total by particular stations and suppliers.

Stream-Flow and Storage Conditions

Water supply was reasonably good during 1957 although the lack of snow cover in the southern and northeastern watersheds markedly affected the freshet. Stream-flows were augmented by accelerated withdrawal from storage during the early part of the year but did not reach normal springtime proportions. Subnormal run-off conditions prevailing in the northwest during 1956 persisted until mild weather in late April brought about a brief freshet. Heavy rains occurring in June and July in the northwest and in June and September elsewhere in the Province were sufficient to offset the effect of a relatively dry summer. Except for the English and Albany River watersheds, where storage continued below

POWER SUPPLY STATISTICS—1957

(Figures for 1956 and Per Cent Change in *Italic Type*)

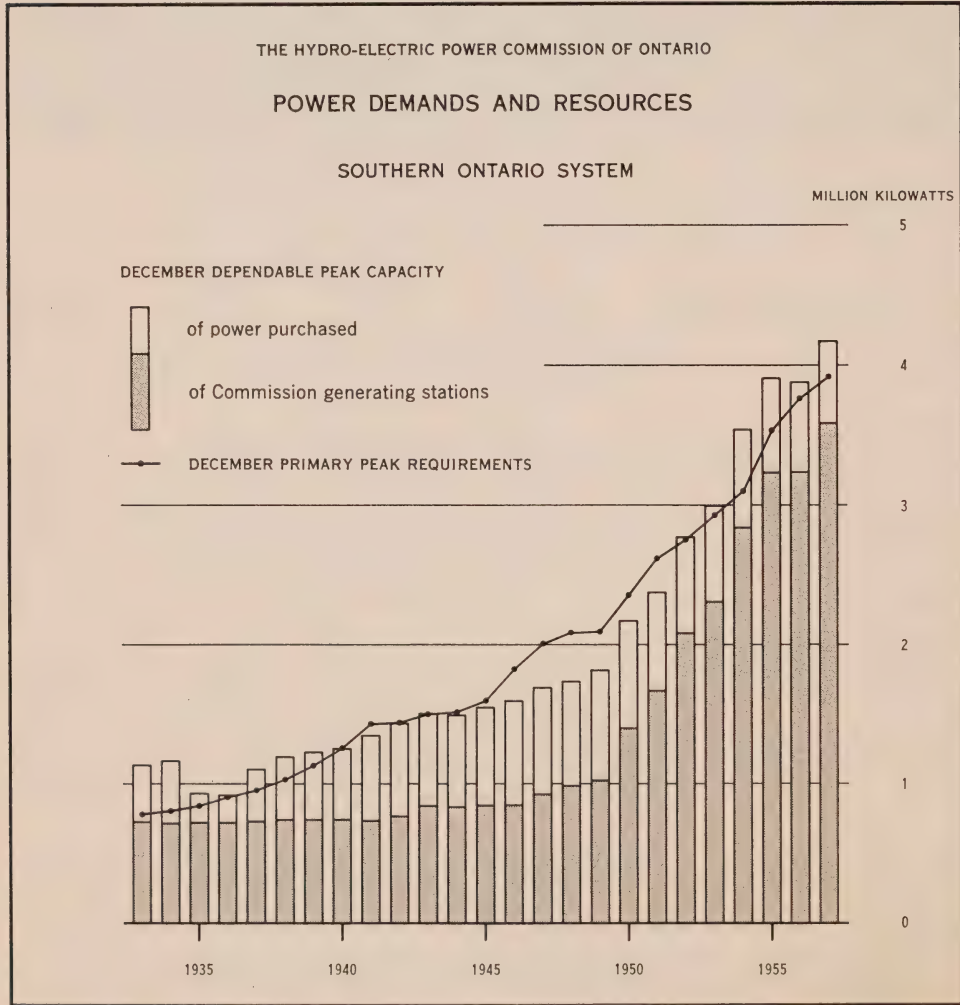
	Southern Ontario System	Northern Ontario Properties		Total
		NORTHEASTERN DIVISION	NORTHWESTERN DIVISION	
Resources				
Dependable peak capacity —December (kilowatts)	4,174,400 <i>3,881,400</i> +7.5%	300,400 <i>299,900</i> +0.2%	369,300 <i>370,800</i> -0.4%	4,844,100 <i>4,552,100</i> +6.4%
Requirements				
PRIMARY				
Peak—Annual maximum (kilowatts)	3,917,464 <i>3,767,480</i> +4.0%	459,117 <i>393,625</i> +16.6%	406,880 <i>356,737</i> +14.1%	*4,783,461 <i>*4,514,449</i> +6.0%
Energy—Total annual (kilowatt-hours)	22,076,428,819 <i>20,813,014,384</i> +6.1%	2,791,545,958 <i>2,459,409,770</i> +13.5%	2,536,961,644 <i>2,264,861,866</i> +12.0%	27,404,936,421 <i>25,537,286,020</i> +7.3%
Loads				
PRIMARY AND SECONDARY				
Peak—Annual maximum (kilowatts)	4,104,579 <i>4,160,925</i> -1.4%	459,117 <i>393,625</i> +16.6%	406,880 <i>356,737</i> +14.1%	*4,970,576 <i>*4,909,104</i> +1.3%
Energy—Total annual (kilowatt-hours)	25,716,135,919 <i>24,695,120,284</i> +4.1%	2,819,625,136 <i>2,527,952,150</i> +11.5%	2,564,995,704 <i>2,300,474,432</i> +11.5%	31,100,756,759 <i>29,523,546,866</i> +5.3%
PRIMARY ONLY				
Energy—Total annual (kilowatt-hours)	22,076,428,819 <i>20,812,985,684</i> +6.1%	2,791,545,958 <i>2,459,409,770</i> +13.5%	2,536,961,644 <i>2,264,858,942</i> +12.0%	27,404,936,421 <i>25,537,254,396</i> +7.3%

*These annual maxima are the arithmetic sums of the three non-coincident system peaks in December. In the two northern divisions the annual maximum does not necessarily occur in December.

normal throughout the late summer and fall, better than normal reservoir levels obtained over most of the Province. In future years flow conditions on the English River will be much improved by the diversion of water from the Albany River by way of the Root River and Lac Seul. Following the breaching of the intervening height of land, the canal making this diversion possible was opened on October 25.

SOUTHERN ONTARIO SYSTEM

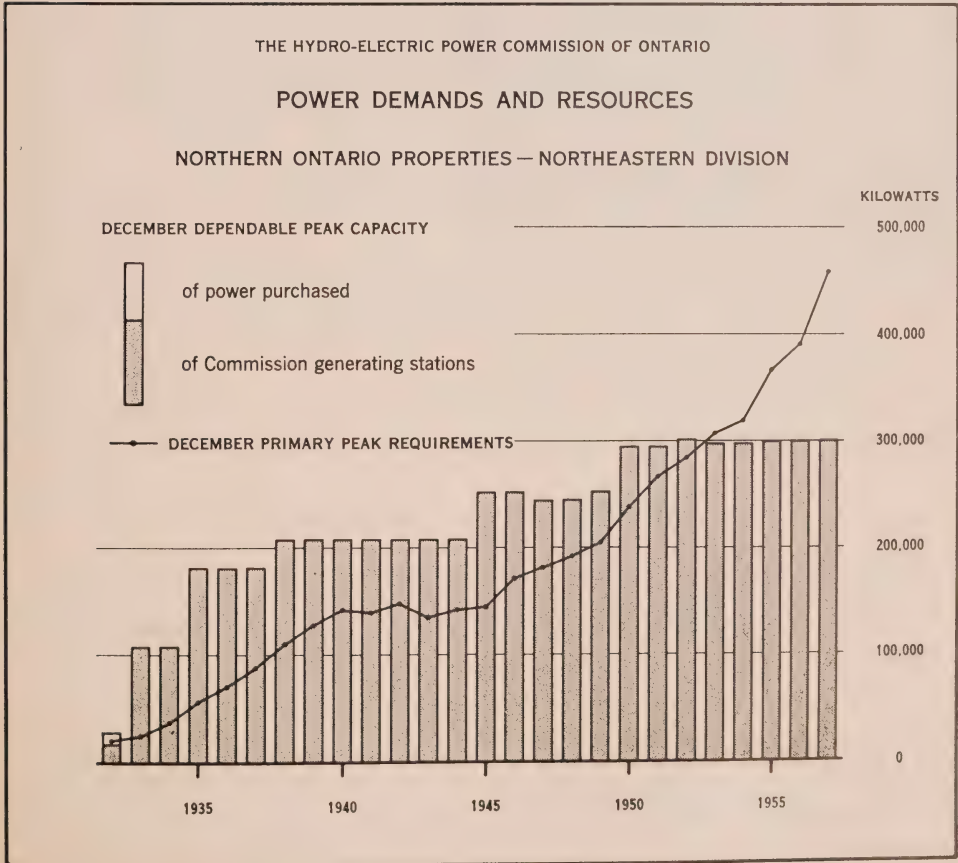
Interconnections with other utilities were of material assistance to the Commission on two occasions during the year, one at the time of high requirements in January and the other under adverse wind conditions in April. On the latter occasion, flow in the Niagara River was the lowest on record for the April-October period since the new treaty governing water diversion went into effect in 1950. To offset severe reductions in the output of the Niagara River stations the

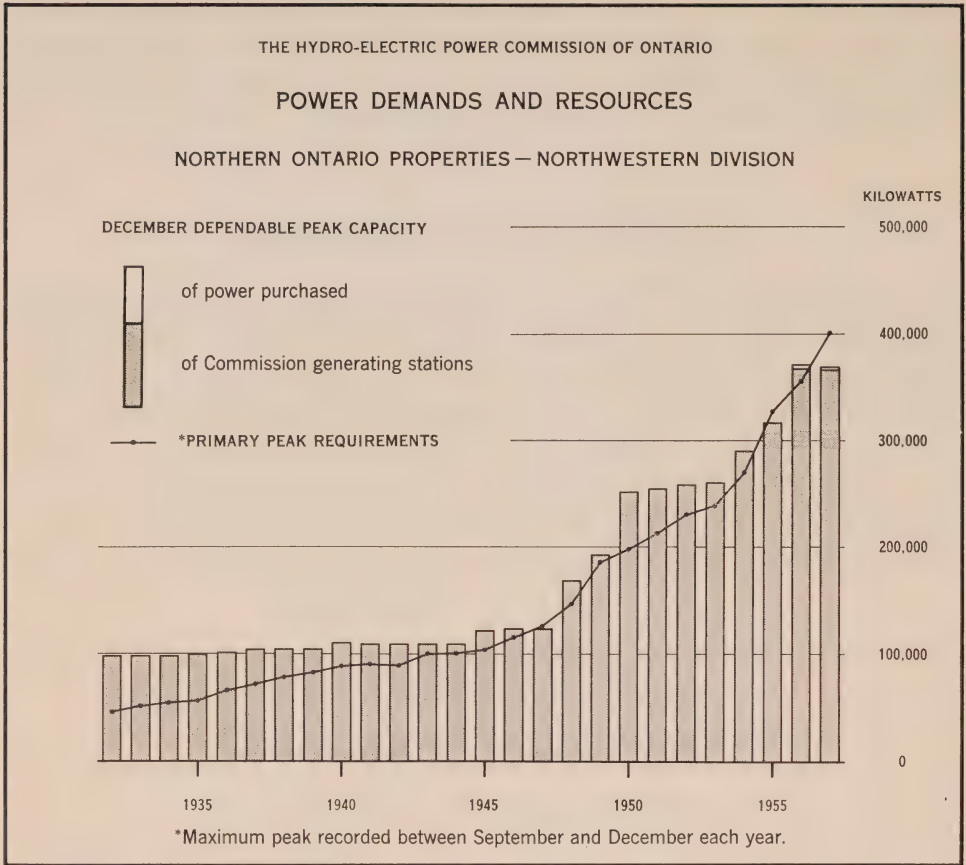


Commission's thermal-electric stations were operated at capacity, and substantial purchases were made from The Detroit Edison Company and from the Niagara Mohawk Power Corporation. The latter, in turn, was assisted by utilities in Pennsylvania, New Jersey, and the New England States.

NORTHERN ONTARIO PROPERTIES

Peak requirements both in the Northeastern and Northwestern Divisions showed greater annual increases than in 1956. The rates of growth were respectively 16.6 and 14.1 per cent. Energy requirements, up 13.5 per cent in the Northeastern Division and 12.0 per cent in the Northwestern Division, also showed very satisfactory growth. In the Northeastern Division it was considerably more than in the previous year. In the Northwestern Division an accelerating rate of growth during the second half of the year was not quite sufficient to offset a levelling off in the first half and the annual rate of growth was slightly lower than that in 1956.





The interconnection with the Manitoba Hydro-Electric Board served to augment Commission resources so that more economical use could be made of water in storage in Lake Nipigon.

The lines between the Southern Ontario System and the Northeastern Division were used almost exclusively throughout the year to transfer power to the north.

MAINTENANCE OF THE SYSTEMS

Mechanical Maintenance

Annual inspection and maintenance of hydraulic equipment was carried out on satisfactory schedules.

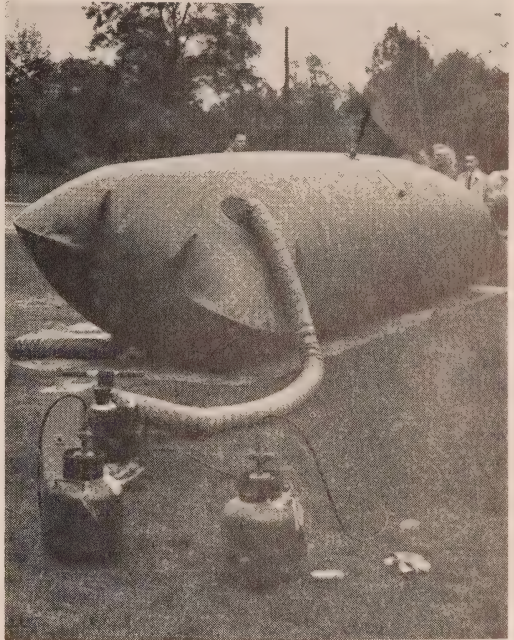
Five large turbine runners at Sir Adam Beck-Niagara Generating Station No. 2 and four at Otto Holden Generating Station were given their first welding repairs. Extensive welding repairs were also made to a large turbine runner at Pine Portage Generating Station. At Sir Adam Beck-Niagara Generating Station No. 1 where two water-lubricated lignum-vitae bearings were replaced in 1956

by oil-lubricated babbitted bearings, plans are under way to modernize four other units in the same way. Similar changes will be made to two units at DeCew Falls Generating Station.

Electrical Maintenance

In addition to routine field maintenance of electrical equipment, major repairs were made on a number of large rotating machines and transformers—to the stator winding of a 100,000-kva turbo-alternator and to the rotor circuits of two 48,000-kva synchronous condensers and four large hydraulic generators. Twenty-four 115-kv power transformers were given major repairs, seven following failure in service and the others prior to being relocated.

For the temporary storage of insulating oil during field installation or repair of equipment, the use of 5,000-gallon collapsible neoprene tanks has been introduced. A tank of this kind, being conveniently portable, will serve the purpose of several permanent steel installations. It is especially suitable for handling oil from large transformers from which the oil is only infrequently removed, perhaps at intervals of five years or longer.



Field demonstration of a collapsible neoprene oil tank with a 5,000-gallon capacity. It will provide temporary storage for oil removed from transformers undergoing maintenance or repair.

Lines and Communications

Routine maintenance of the 14,000 route miles of transmission line has three principal aspects—line and tower rehabilitation, line patrol, and line clearing or forestry work. The statistics that follow give some indication of the extent of the work involved. Some of the more unusual features of the year's activity are singled out for comment.

Experimental techniques developed and perfected in previous years have been given wide usage. Live-line work was undertaken on many 230-kv lines as routine. For example, on the double-circuit tower line from Richview Transformer Station to Burlington Transformer Station and from there to Horning Mountain Junction,



A. W. MANBY SERVICE CENTRE — The Commission's extensive requirements of materials and service are met from a service centre located in western Metropolitan Toronto. Spread over 180 acres, the Centre houses stores, service shops, and transport. During 1957 materials valued at more than \$25 million were issued from its central stores.

suspension clamps and vibration dampers on some 200 towers were replaced with new-type low-loss hardware especially adapted for live-line installation. Insulator washing with water under high pressure is now extensively undertaken on routine schedules in areas of heavy contamination.

During 1957 the maintenance crews in the various regions replaced over 14,000 poles, including 3,000 transmission, 11,000 distribution, and nearly 300 communication poles. Nearly 300 steel towers were cleaned and painted during the year. Part of this work was done by linemen rather than by temporary workers to avoid removing the lines from service.

The Commission now operates six helicopters for line maintenance patrol and brush spraying. These machines were in flight for a total of 3,300 hours patrolling over 153,000 circuit miles of high-voltage line, and in the two northern regions spraying some 2,000 acres of right of way.

The use of chemicals to control brush growth, begun on an experimental basis ten years ago, has been continuously expanded until in 1957 more than 37,000 acres were so treated. About 5,100 acres in all systems were sprayed from the air.

Tree pruning was carried out to provide line clearance on more than 11,200 miles of transmission and Commission-owned distribution lines in operation, and on 1,120 additional miles of lines under construction or municipally owned. As part of the general conservation program, 92,000 seedling trees were planted on Commission properties in the Niagara, Eastern, Georgian Bay, and Northeastern Regions.

Transport and Work Equipment

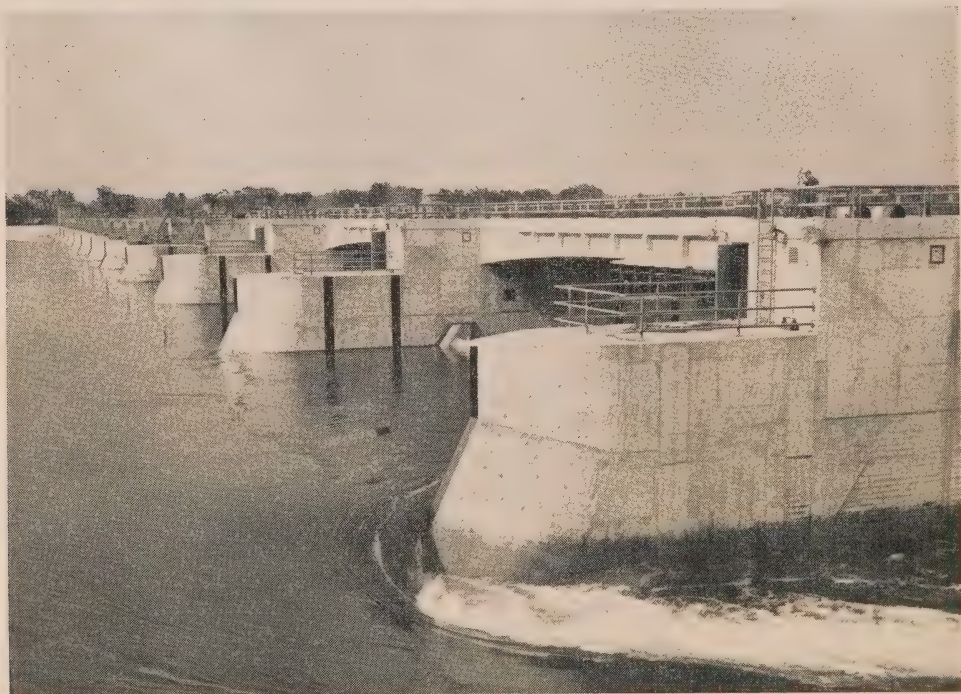
Some 2,500 units of transport equipment and 1,800 units of work equipment are now centrally controlled from the A. W. Manby Service Centre. These vary in size from a small ½-ton trailer to a 500-horsepower rubber-tired scraper capable of moving 30 yards of coal. Central control has resulted in improvement in inspection and maintenance and economy in repair costs. It has also facilitated the standardization and development of equipment in collaboration with manufacturers.

SECTION II

FINANCE

THIS section of the Report, together with Appendix II, deals with the financial operations of the Commission as they relate to the Southern Ontario System and the Northern Ontario Properties. The collective financial results of municipal utility operations are reported in Section VIII.

The Commission's revenue is derived from three principal sources—municipal utilities purchasing power for resale, industrial customers served directly by the Commission, and other customers served by Commission-owned distribution



GRASS ISLAND CONTROL DAM—Water sweeps around the end pier of the completed control dam located in the Niagara River about a mile up stream from the falls. The operation of the dam permits greatly increased diversion of water for power purposes without adversely affecting levels in the Chippawa-Grass Island pool.

facilities. The amounts received from each of these groups is recorded in the two statements of operations on pages 28 and 29. The difference between the revenue received and the cost of providing service, established at the year end, amounted in total to \$3,867,790 in 1957. This was credited, \$3,427,495 to the cost-contract municipalities in the Southern Ontario System, \$144,920 to the cost-contract municipalities in the Northern Ontario Properties, and the remainder to the Rural Power District stabilization of rates reserve and to the surplus account for the Province of Ontario for these phases of the operations.

In addition to the two statements of operations, Section II includes two balance sheets, a statement of funded debt, and a schedule of the Provincial advances outstanding. Supporting schedules for the basic statements included in Section II are to be found in Appendix II, beginning, for the Southern Ontario System, on page 222 and, for the Northern Ontario Properties, on page 256. The two statements of the cost of power in Appendix II itemize for each cost-contract municipality its share of the total costs incurred and its contribution under interim rates to the Commission's revenue.

OPERATING RESULTS—1957

Gross revenue received in 1957 amounted to \$200,796,472, which exceeded the previous year's revenue of \$186,311,140 by 7.8 per cent. The cost of providing service rose by 8.1 per cent from \$182,243,556 in 1956 to \$196,928,682 in 1957. About 60 per cent of the total cost in 1957 represents charges for interest, depreciation on fixed assets, amortization of the cost of frequency standardization, and provision for reserves.

The reserve provisions in 1957 included \$15,150,525 in sinking fund contributions for the retirement of debt, offset to the extent of \$1,028,508 by credits representing sinking fund contributions on certain assets now matured or fully prepaid. A reserve of \$4 million was set aside for the purpose of meeting the costs of the program of nuclear power research which are estimated at \$8.5 million for the four-year period 1957-1960. Of this amount, \$1.3 million was spent prior to December 31, 1957. Since the work is developmental, the cost is not added to the value of fixed assets but charged to the reserve. Earnings, which reflect high loads in 1957, were also considerably enhanced by the effect of favourable stream-flows. An abundance of water not only increases revenue through the sale of surplus hydro-electric energy, but also permits a reduction in the amount of coal burned at the thermal-electric stations. It was thought prudent, therefore, to allocate \$5,168,263 of earnings as a hedge against future years when unfavourable stream-flows would reverse the situation. The allocation was made on the basis of \$1.50 per kilowatt on the loads of system customers.

The strength of the Commission's reserve position, as a reflection of general financial stability, has an important bearing on its success in borrowing funds by the issue of debentures. For this and other reasons the adequacy of reserves is, therefore, under continuous review. In addition to the contingencies discussed in the preceding paragraph, there is always the possibility that loads may fall short of expected growth, leaving substantial generating and supply capacity unused;

the Commission, too, must provide from its own funds for the replacement of plant damaged by catastrophe since only turbines, generators, and boilers used in the production of thermal-electric power are insured with outside agencies; provision must also be made for fluctuation in the market value of securities in which the reserve is invested, and for the effect of the exchange rate on the Commission's debt payable in United States funds. The evaluation of all these factors is, as far as possible, a continuous process. The Commission's financial consultants, Clarkson, Gordon & Co., have recently confirmed that the Commission's reserves are reasonable on the basis of the foregoing considerations.

SOUTHERN ONTARIO SYSTEM

Gross revenues in the Southern Ontario System were 6.5 per cent higher than in 1956, rising from \$158,509,663 to \$168,874,761. The cost of providing service rose by 6.9 per cent from \$154,736,962 to \$165,435,209. Just over half the increase was in operating expenses which, including the cost of power purchased, were up by 9.3 per cent or \$5,514,768. The remainder of the increase includes \$3,309,485 in interest and depreciation charges on the expanding investment in fixed assets, and \$1,873,994 in provision for specific contingencies, the liquidation of frequency standardization costs, and the amortization of debt.

A total of 119 municipalities received credits with respect to matured sinking fund. The cost of power ceiling was established at \$46.23 per kilowatt by the



SIR ADAM BECK-NIAGARA GENERATING STATIONS—An aerial view of the two main generating stations and the pumping-generating station. At times of high demand the water impounded in the reservoir will be used to operate units, first at the pumping-generating station, and then at the main powerhouses.

application of \$18,441 in interest accumulated on the fund previously set aside for this purpose. A reduction in cost to this ceiling was made in 19 municipalities. The corresponding ceiling in 1956 was \$46.53. The average cost of power to municipalities in the Southern Ontario System in 1957 was \$36.86 per kilowatt as compared with \$37.16 in 1956.

**Table of Expenditures by The Hydro-Electric Power Commission of Ontario
on Frequency Standardization**

	Prior to 1957	During 1957	Total at Dec. 31, 1957	Amounts amortized or to be amortized
	\$	\$	\$	\$
Standardization of customers' equipment and system facilities (charged to frequency standardization account)	264,730,244	47,867,461	312,597,705	132,399,720
Standardization of rural and local distribution facilities (charged to rural and local operations, maintenance, and administrative expense)	1,284,201	325,291	1,609,492	1,609,492
	266,014,445	48,192,752	314,207,197	134,009,212
Expenditures on inventory of equipment, supplies, and other assets	15,619,143	7,437,670	8,181,473	180,197,985
Amount to be written off in future years	..	..	..	..
Value of equipment, supplies, and other assets for future standardization work	..	..	..	8,181,473
Total expenditures	281,633,588	40,755,082	322,388,670	322,388,670

NOTE: Does not include expenditures of \$355,055.03 applicable to the Northern Ontario Properties.

The cost of work done in frequency standardization during the year was \$48,192,752. An amount of \$9,412,801 plus interest of \$6,484,900 to finance the frequency standardization account was charged to the cost of power, and \$325,291 spent on standardization of rural facilities was recovered from rural revenues. The amount to be written off in future years was increased by \$38,454,660. At the end of 1957 it was \$180,197,985.

NORTHERN ONTARIO PROPERTIES

Gross revenues in the Northern Ontario Properties rose from \$27,801,477 in 1956 to \$31,921,710 in 1957, an increase of 14.8 per cent. The most substantial increase was the 19 per cent growth in rural revenues which was accompanied by only a 6.5 per cent increase in cost of providing rural service. The result was a considerable improvement in rural financial operations.

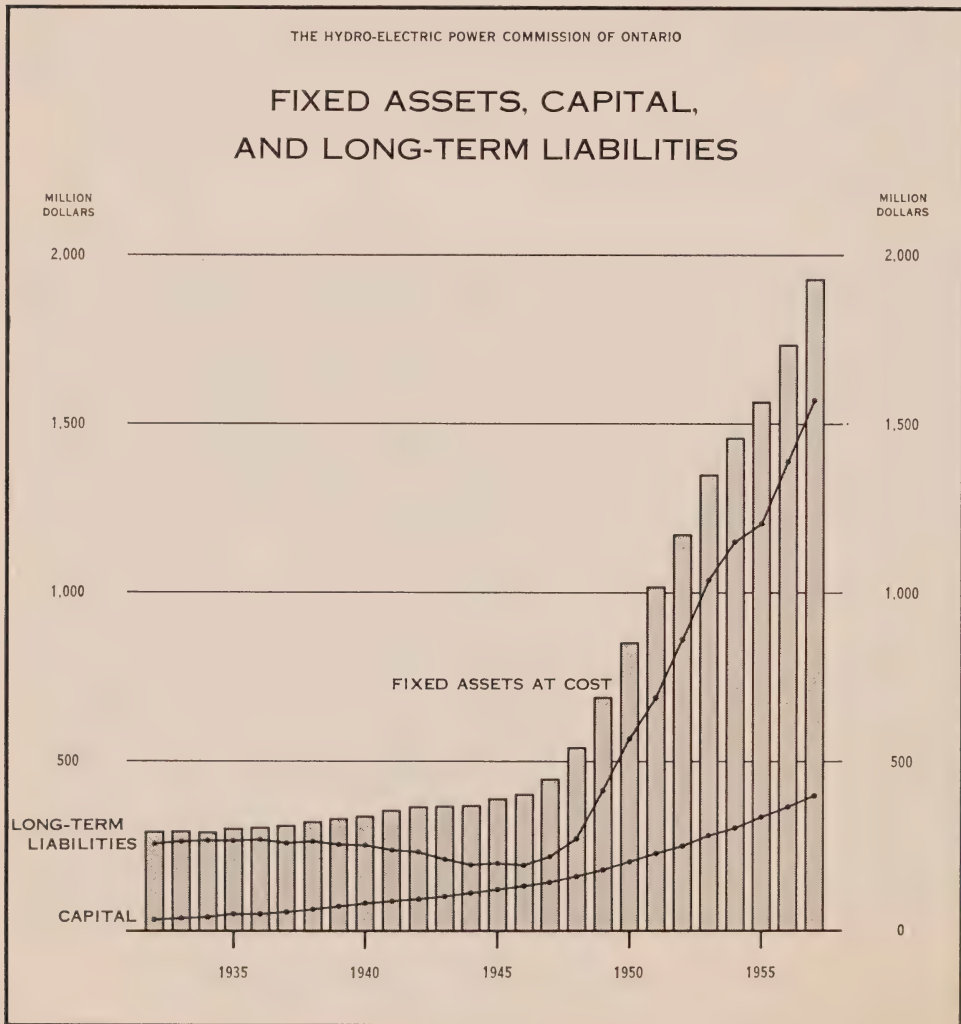
The total cost of providing service to all customers in the Northern Ontario Properties was \$31,493,473 after applying credits amounting in total to \$720,693 resulting from sinking fund matured or prepaid. A large part of the 14.5 per cent rise in cost reflects larger amounts of power purchased and increased operation charges which amounted to \$15,454,176 in 1957 as compared with \$12,715,170 in 1956. Provisions for interest, depreciation, and sinking fund were up variously from 8 to 9 per cent in accordance with the growth in physical assets. The levy

for rates stabilization was reduced to \$2.00 per kilowatt, but because of load growth the total allocation remained approximately the same.

Frequency standardization was begun in the Northern Ontario Properties in 1957. The accumulated cost of \$355,055 has been charged to the cost of operations.

SUMMARY OF FINANCIAL POSITION

The gross expenditure on fixed assets during the year amounted to \$208,691,262, of which 73 per cent was spent on generating facilities. The major areas of expenditure were the St. Lawrence Power Project, Sir Adam Beck-Niagara Generating Station No. 2, Richard L. Hearn Generating Station, and Caribou Falls Generating Station. Additional or improved rural facilities represent \$17,482,150, or about 8 per cent of the total gross expenditure. After allowing for sales and retirements amounting to \$11,079,144 there was a net increase in investment in fixed assets of \$197,612,118, bringing the total to \$1,930,606,714. This total



includes \$224,931,491 in rural fixed assets. Accumulated depreciation had been provided on the total fixed assets to the extent of \$207,949,024.

Funds were made available for this and other increases in asset accounts, first by the issue of debentures in the principal amount of \$200 million. The Province contributed a further \$7,359,099 as its share of the cost of rural capital construction. The remaining funds were provided from internal resources. The long-term debt at December 31, 1957 was \$1,572,600,993 as compared with \$1,392,492,740 at December 31, 1956.

Sinking fund reserves in the amount of \$270,342,083 have been used over the years to retire part of the Commission's long-term debt and are shown on the balance sheets as capital.

The total assets of the Commission at December 31, 1957 after deducting depreciation and the intersystem account were \$2,254,503,479 as compared with \$2,010,680,078 at December 31, 1956.

THE HYDRO-ELECTRIC POWER
SOUTHERN
BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power System	\$ 1,383,937,502	
Administrative and service buildings and equipment	27,373,875	
Rural Power District	191,661,275	
	<u>\$ 1,602,972,652</u>	
Less accumulated depreciation	171,177,954	
		<u>\$ 1,431,794,698</u>

FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardization work	\$ 8,181,473	
Cost of completed standardization after charging \$132,399,720 to reserves and cost of power—balance to be written off in future years	180,197,985	
		<u>188,379,458</u>

CURRENT ASSETS:

Cash on deposit with banks and trust companies	\$ 15,000,000	
Temporary investments in government securities at market value	500,000	
Working funds	199,353	
Power accounts receivable	19,642,668	
Other accounts receivable	5,484,684	
Rural Power District grants receivable	1,821,822	
Interest accrued on investments held for general reserves	886,998	
Customers' securities on deposit	240,100	
Prepayments and sundry deposits	144,939	
		<u>43,920,564</u>

INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost	\$ 33,239,874	
Tools and equipment at cost less depreciation	12,924,304	
		<u>46,164,178</u>

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off	\$ 17,587,520	
Agreements, mortgages, and sundry investments	158,280	
Exchange discount on funded debt	4,067,570	
Accounts receivable in annual instalments	1,045,751	
Deferred work orders and other assets	4,636,628	
		<u>27,495,749</u>

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds (approximate market value \$184,908,000)		
Investments held for special reserves (at amortized cost plus accrued interest)		
Pension fund	\$ 84,077,846	
Employer's liability insurance fund	3,285,153	
Savings and insurance fund	791,214	
Investments held for other reserves (at amortized cost)		
Stabilization of rates and contingencies	91,886,553	
Sinking fund	11,315,536	
		<u>191,356,302</u>
		<u>\$ 1,929,110,949</u>

Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario as at December 31, 1957, and the statement of operations for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations present fairly the financial position of the Southern Ontario System of the Commission as at December 31, 1957 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
June 12, 1958.

COMMISSION OF ONTARIO

ONTARIO SYSTEM

AS AT DECEMBER 31, 1957

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)

including \$1,313,451 maturing in 1958:

Funded debt.....	\$ 1,526,123,500
Less—issued to finance Northern Ontario Properties, a separate trust operated by the Commission.....	225,729,545
	<u>\$ 1,300,393,955</u>

Advances from the Province of Ontario.....\$46,477,493

Less advances for Northern Ontario Properties 8,193,609

38,283,884

\$ 1,338,677,839

CURRENT LIABILITIES:

Bank overdrafts.....	\$ 1,567,663
Accounts and payrolls payable and accrued charges.....	34,011,071
Customers' deposits.....	796,128
Interest accrued on long-term liabilities.....	13,396,166
Northern Ontario Properties—current account.....	9,130,921

58,901,949

SPECIAL RESERVES:

Pension fund.....	\$ 84,095,513
Employer's liability insurance fund.....	3,171,655
Savings and insurance fund.....	792,234
Exchange premium received on funded debt.....	4,803,858

92,863,260

GENERAL RESERVE:

Stabilization of rates and contingencies.....

108,549,907

CAPITAL:

Sinking fund reserve:

Represented by—

Funded debt and Provincial advances

retired through sinking funds.....\$223,289,673

Sinking fund investments.....11,307,232

\$ 234,596,905

Contributed capital:

Province of Ontario, assistance for rural construction..

95,521,089

330,117,994

\$ 1,929,110,949

NOTE: Commitments under uncompleted contracts for the construction of fixed assets, approximately \$115,000,000.

NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power System.....	\$ 291,983,602	
Administrative and service buildings and equipment.....	2,380,244	
Rural Power District.....	33,270,216	
	<u>\$ 327,634,062</u>	
Less accumulated depreciation.....	36,771,070	
	<u></u>	\$ 290,862,992

CURRENT ASSETS:

The Hydro-Electric ¹ Power Commission of Ontario—current account.....	\$ 9,130,921	
Cash in banks.....	302,922	
Working funds.....	43,365	
Power accounts receivable.....	3,893,671	
Other accounts receivable.....	415,268	
Interest accrued on reserve fund investments.....	140,729	
Customers' securities on deposit.....	1,075,915	
Prepayments.....	2,599	
	<u></u>	15,005,390

INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,922,403	
Tools and equipment at cost less depreciation.....	496,754	
	<u></u>	2,419,157

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off.....	\$ 2,751,872	
Exchange discount on funded debt.....	196,476	
Account receivable in annual instalments 1958-1989.....	1,870,962	
Deferred work orders and other assets.....	642,148	
	<u></u>	5,461,458

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$19,447,000)		
Held for—Stabilization of rates and contingencies reserve.....	\$ 14,158,597	
Sinking fund reserve.....	6,615,857	
	<u></u>	20,774,454
		<u>\$ 334,523,451</u>

Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1957, and the statements of operations and surplus for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and surplus present fairly the financial position of the Northern Ontario Properties as at December 31, 1957 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON & CO.

Chartered Accountants.

Toronto, Canada,
June 12, 1958.

ONTARIO PROPERTIES

Trust for the Province of Ontario and Municipalities Supplied with Power at Cost

AS AT DECEMBER 31, 1957

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)

including \$199,615 maturing in 1958:

Funded debt.....	\$ 225,729,545	
Advances from the Province of Ontario.....	8,193,609	
		\$ 233,923,154
Representing the portion of the funded debt and advances from the Province of Ontario owing by The Hydro-Electric Power Commission of Ontario, issued to finance Northern Ontario Properties.		

CURRENT LIABILITIES:

Accounts and payrolls payable and accrued charges.....	\$ 2,264,730	
Customers' deposits.....	6,218,015	
Interest accrued on long-term liabilities.....	2,255,824	
		10,738,569

SPECIAL RESERVES:

Frequency standardization.....	\$ 283,710	
Exchange premium received on funded debt.....	177,099	
		460,809

GENERAL RESERVE:

Stabilization of rates and contingencies.....		18,425,801
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CAPITAL:

Sinking fund reserve:

Province of Ontario.....	\$ 42,080,064	
Municipalities supplied with power at cost....	11,606,195	
		\$ 53,686,259

Represented by—

Funded debt and Provincial advances retired through sinking funds.....	\$ 47,052,410	
Sinking fund investments and cash.....	6,633,849	
	\$ 53,686,259	

Contributed capital:

Province of Ontario, assistance for rural construction.....	16,563,248	
Surplus—Account of the Province of Ontario.....	725,611	
		70,975,118
		<u>\$ 334,523,451</u>

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

STATEMENT OF OPERATIONS

for the Year Ended December 31, 1957

	Power System	Rural Power District	Total
	\$	\$	\$
COST OF POWER:			
Cost of power purchased.....	12,908,943	.....	12,908,943
Interchange of power with Northern Ontario Properties.....	2,670,073	.....	2,670,073
Operation, maintenance and administrative expenses	43,111,793	11,533,507	54,645,300
Interest (including interest on funded debt and re- serves, less interest earned on investments)....	40,167,758	3,392,470	43,560,228
Frequency standardization:			
Interest.....	6,484,900	.....	6,484,900
Portion of cost written off.....	9,412,801	.....	9,412,801
Depreciation.....	9,915,359	6,312,053	16,227,412
Stabilization of rates and contingencies provision:			
General, including stream-flow variation.....	8,613,772	.....	8,613,772
Nuclear research.....	4,000,000	.....	4,000,000
Sinking fund provision—contribution to system capital.....	11,590,960	968,782	12,559,742
	143,536,213	22,206,812	165,743,025
Credit resulting from matured sinking fund.....	307,816	.....	307,816
	143,228,397	22,206,812	165,435,209
Cost of power supplied to Rural Power District....	15,745,116	15,745,116	.....
Total, including provision for stabilization of rates reserve.....	127,483,281	37,951,928	165,435,209
AMOUNTS BILLED:			
Municipalities (at interim rates).....	91,117,170	.....	91,117,170
Rural customers.....	.....	37,963,985	37,963,985
Direct industrial customers.....	39,704,888	.....	39,704,888
Local distribution system customers.....	88,718	.....	88,718
Total.....	130,910,776	37,963,985	168,874,761
Excess of amounts billed over cost of power.....	3,427,495	12,057	3,439,552
Credited to municipalities on annual adjustment....	3,427,495	.....	3,427,495
Credited to stabilization of rates reserve.....	.....	12,057	12,057

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost

STATEMENT OF OPERATIONS
for the Year Ended December 31, 1957

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural Power District	Other customers	Total		
COST OF POWER:	\$	\$	\$	\$	\$
Cost of power purchased.....		1,012,870	1,012,870		1,012,870
Interchange of power with Southern Ontario System.....		2,670,073	2,670,073		2,670,073
Operation, maintenance and administrative expenses.....	1,658,746	10,112,487	11,771,233		11,771,233
Interest (including interest on funded debt and reserves, less interest earned on investments).....	572,253	8,067,147	8,639,400		8,639,400
Frequency standardization provision.....		336,933	336,933		336,933
Depreciation.....	939,832	2,010,900	2,950,732		2,950,732
Stabilization of rates and contingencies provision.....		2,242,142	2,242,142		2,242,142
Sinking fund provision—contribution to system capital..	167,020	2,423,763	2,590,783		2,590,783
	3,337,851	28,876,315	32,214,166		32,214,166
Cost of power to municipalities supplied at cost.....		2,299,110	2,299,110	2,299,110	
Cost of power supplied to Rural Power District.....	1,842,082	1,842,082			
Credit resulting from prepaid and matured sinking fund.....		720,693	720,693		720,693
Total, including provision for stabilization of rates reserve....	5,179,933	24,014,430	29,194,363	2,299,110	31,493,473
AMOUNTS BILLED:					
Municipalities supplied with power at cost (at interim rates).....				2,444,030	2,444,030
Rural customers.....	4,500,441		4,500,441		4,500,441
Other customers.....		24,977,239	24,977,239		24,977,239
Total.....	4,500,441	24,977,239	29,477,680	2,444,030	31,921,710
Excess or deficiency of amounts billed over cost of power.....	679,492	962,809	283,317	144,920	428,237
Credited to municipalities on annual adjustment.....				144,920	144,920
Transferred to Surplus—Account of the Province of Ontario.....			283,317		283,317

Statement of Surplus—Account of the Province of Ontario
for the Year Ended December 31, 1957

Balance at credit January 1, 1957.....	\$ 442,294
Add net surplus from operations for the year ended December 31, 1957.....	283,317
Balance at credit December 31, 1957.....	<u>\$ 725,611</u>

THE HYDRO-ELECTRIC POWER FUNDED DEBT AS AT

Guaranteed as to principal and interest

Date of maturity	Callable at par on or after	Date of issue	Interest rate
			per cent
June 1, 1958	.....	June 1, 1918	4
December 1, 1958	.....	December 1, 1918	4
January 1, 1960	January 1, 1955	January 1, 1945	3
March 15, 1960	March 15, 1959(e)	March 15, 1954	2.60
March 15, 1961	March 15, 1959(e)	March 15, 1954	2.65
February 15, 1962	.....	February 15, 1957	4¾
March 15, 1962	March 15, 1959(e)	March 15, 1954	2.70
March 1, 1963	March 1, 1961	March 1, 1948	3
March 1, 1963	March 1, 1962	March 1, 1955	3
March 15, 1963	March 15, 1959(e)	March 15, 1954	2.75
March 15, 1964	March 15, 1959(e)	March 15, 1954	2.80
May 15, 1964	May 15, 1962	May 15, 1954	3
May 15, 1964	.....	November 15, 1957	5
July 2, 1964	July 2, 1960	July 2, 1948	3
October 15, 1964	October 15, 1963	October 15, 1956	4½
April 1, 1965	April 1, 1964	April 1, 1957	5
December 15, 1965	December 15, 1963	December 15, 1948	3
January 15, 1966	January 15, 1964	January 15, 1956	3¾
May 1, 1966	May 1, 1964	May 1, 1951	3½
January 15, 1967	January 15, 1965	January 15, 1952	4
March 15, 1967	March 15, 1964	March 15, 1953	4¼
April 1, 1967	April 1, 1964	April 1, 1947	2¾
April 1, 1967	April 1, 1965	April 1, 1949	3
November 1, 1967	November 1, 1964	November 1, 1952	4¼
November 1, 1967	November 1, 1964	November 1, 1952	4¼
January 15, 1968	January 15, 1966	July 15, 1949	3
April 15, 1968	April 15, 1966	April 15, 1952	4
October 1, 1968	October 1, 1965	October 1, 1947	2¾
July 15, 1969	July 15, 1966	July 15, 1953	4¼
July 15, 1969	July 15, 1966	July 15, 1953	4¼
November 1, 1969	November 1, 1967	November 1, 1949	3
January 1, 1970	.....	January 1, 1930	4¾
April 1, 1970	April 1, 1968	April 1, 1950	3
May 15, 1971	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971	June 1, 1961	June 1, 1946	2¾
September 1, 1972	September 1, 1956(a)	September 1, 1951	3¼
June 15, 1973	June 15, 1971	June 15, 1950	3
July 15, 1974	July 15, 1972	July 15, 1956	4
October 15, 1974	October 15, 1972	October 15, 1956	4½
February 1, 1975	February 1, 1958	February 1, 1953	3¼
August 15, 1975	August 15, 1972	February 15, 1957	4¾
January 15, 1976	January 15, 1974	January 15, 1956	4
November 15, 1976	November 15, 1974	November 15, 1957	5
March 1, 1977	March 1, 1975	March 1, 1955	3½
April 1, 1977	April 1, 1974	April 1, 1957	5
November 1, 1978	November 1, 1958(d)	November 1, 1953	5⅝
May 15, 1979	May 15, 1974	May 15, 1954	3½
October 15, 1979	October 15, 1974	October 15, 1954	3½
March 15, 1980	March 15, 1959(f)	March 15, 1954	3⅝
May 15, 1981	May 15, 1961(g)	May 15, 1956	3⅞

Total funded debt (at par of exchange).....

Summary of changes in funded debt

Outstanding at January 1, 1957.....
Less redemptions during year.....

Add new bond issues during year.....
Outstanding at December 31, 1957.....

Payable in the

Canadian.....
United States.....

(a) Callable at 101. (b) Payable in U.S. funds. (c) Held by Province of Ontario and having terms identical with issues sold in the United States by the Province of Ontario, on behalf of the Commission.
(d) Callable at 102½. (e) Callable at a premium of ¼% for each year or fraction thereof between call-date and maturity. (f) Callable at 103 prior to March 15, 1961, at ½% less during each three-year period prior to March 15, 1976, and thereafter at par. (g) Callable at 103½ prior to May 15, 1963, at ½% less during each three-year period prior to May 15, 1978, and thereafter at par.

COMMISSION OF ONTARIO

DECEMBER 31, 1957

by the Province of Ontario (except issues marked *)

Principal outstanding December 31, 1957

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
199,000	.....	199,000
79,000	.....	79,000
.....	7,200,000	7,200,000
3,500,000(b)	.....	3,500,000*(b) (c)
3,880,000(b)	.....	3,880,000*(b) (c)
9,700,000	3,000,000	12,700,000
3,850,000(b)	.....	3,850,000*(b) (c)
23,612,000	7,343,000	30,955,000
23,350,000	.....	23,350,000
3,580,000(b)	.....	3,580,000*(b) (c)
3,260,000(b)	.....	3,260,000*(b) (c)
13,327,500	1,500,000	14,827,500
4,125,000	9,625,000	13,750,000
26,186,500	13,600,000	39,786,500
13,250,000	.....	13,250,000
16,500,000	2,000,000	18,500,000
45,000,000	.....	45,000,000
12,055,000	2,500,000	14,555,000
24,000,000	6,000,000	30,000,000
47,875,000	1,650,000	49,525,000
38,500,000	.....	38,500,000
10,678,455	3,996,545	14,675,000
11,463,000	32,300,000	43,763,000
34,604,500	.....	34,604,500
21,470,500	2,250,000	23,720,500
37,000,000	6,300,000	43,300,000
49,948,000	.....	49,948,000
13,450,000	5,800,000	19,250,000
34,950,000	.....	34,950,000
24,893,000	.....	24,893,000
38,000,000	11,500,000	49,500,000
11,702,500	.....	11,702,500
48,500,000	5,300,000	53,800,000
47,000,000(b)	2,900,000(b)	49,900,000*(b) (c)
13,910,000	4,290,000	18,200,000
43,925,000(b)	.....	43,925,000*(b) (c)
52,000,000	2,300,000	54,300,000
42,670,000	7,000,000	49,670,000
26,750,000	.....	26,750,000
49,000,000(b)	.....	49,000,000*(b) (c)
25,300,000	12,000,000	37,300,000
42,500,000	7,500,000	50,000,000
10,875,000	25,375,000	36,250,000
27,000,000	13,000,000	40,000,000
73,500,000	8,000,000	81,500,000
45,000,000(b)	5,000,000(b)	50,000,000*(b) (c)
31,500,000	3,500,000	35,000,000
41,975,000	8,000,000	49,975,000
30,000,000(b)	.....	30,000,000*(b) (c)
45,000,000(b)	5,000,000(b)	50,000,000*(b) (c)
1,300,393,955	225,729,545	1,526,123,500
during year ended December 31, 1957		
\$1,176,052,255	\$168,166,545	\$1,344,218,800
15,658,300	2,437,000	18,095,300
\$1,160,393,955	\$165,729,545	\$1,326,123,500
140,000,000	60,000,000	200,000,000
\$1,300,393,955	\$225,729,545	\$1,526,123,500
following currencies:		
\$1,022,398,955	\$212,829,545	\$1,235,228,500
277,995,000	12,900,000	290,895,000
\$1,300,393,955	\$225,729,545	\$1,526,123,500

THE HYDRO-ELECTRIC POWER
ADVANCES FROM THE PROVINCE OF

Repayable to the Province in accordance with the terms of Province

Date of maturity		Description	Interest rate
			per cent
May	15, 1958-1968.....	Annuity bonds	4
May	15, 1958-1970.....	Annuity bonds	4½
January	15, 1958-1971.....	Annuity bonds	4½
June	1, 1958-1971.....	Annuity bonds	4
May	1, 1959.....	Bonds	5
December	2, 1960.....	Bonds	5
Total advances (at par of exchange).....			

Summary of changes in advances from the Province

Balance of advances at January 1, 1957.....	
Less repayments during year.....	
Balance of advances at December 31, 1957.....	

COMMISSION OF ONTARIO

ONTARIO AS AT DECEMBER 31, 1957

of Ontario bonds issued in part for the purposes of the Commission

Balance of advances outstanding December 31, 1957
(Payable in Canadian, United States, or Sterling funds)

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
5,315,267	358,988	5,674,255
4,540,876	1,100,471	5,641,347
2,548,106	625,921	3,174,027
3,239,368	1,195,470	4,434,838
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
38,283,884	8,193,609	46,477,493

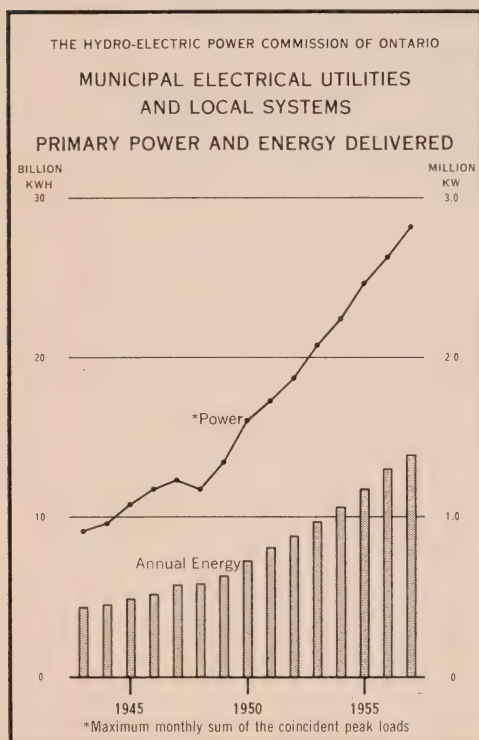
of Ontario during year ended December 31, 1957

\$39,803,335	\$8,470,605	\$48,273,940
1,519,451	276,996	1,796,447
\$38,283,884	\$8,193,609	\$46,477,493

SECTION III

THE COMMISSION'S CUSTOMERS

THE table on page 209 indicates the disposition of the 28,514,158,510 kilowatt-hours of energy made available by the Commission during 1957. Of this total, 48.7 per cent was delivered to 351 municipal electrical utilities and 28 local systems for the supply of their retail customers, 43.6 per cent was delivered to 219 direct industrial customers, and 7.7 per cent was delivered to the Commission's 104 operating areas for sale to rural customers.



This section of the Report deals, in general, only with this wholesale aspect of the Commission's operations. The brief commentary upon some of the utilities in the subsection entitled "Reports from the Regions" is confined largely to changes which are being made to distribution and operating facilities for the purpose of improving service. The Commission frequently provides engineering assistance for these changes and at the request of the utility may actually carry out the work involved.

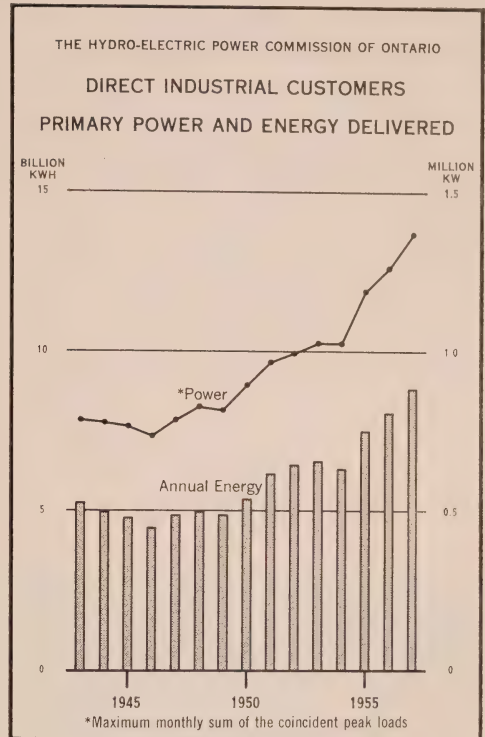
The retail distribution of electricity carried out by the municipal utilities is discussed in Section VIII where related statistical information is also

included. Since the distribution function undertaken by the Commission-owned local systems is very similar to that performed by the utilities, the two groups are combined for statistical purposes other than financial. The wholesale and retail aspects of the Commission's activities, however, cannot be separated conveniently. Rural electrical service, therefore, is treated as a whole in a subsection of Section III so designated. Supporting statistical tables, the schedule of rates, and a brief description of the classes of service may be found in Appendix III.

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

On January 1, 1957, Chalk River took over from the Commission the ownership and operation of the rural distribution facilities serving the village, and began taking power under a cost contract. The number of utilities served by the Commission under cost agreements was thereby increased to 333, including 325 in the Southern Ontario System and 8 in the Northern Ontario Properties. The number of local systems was reduced to 28 when Burlington Beach became part of the City of Hamilton.

The municipal utilities are billed monthly at an interim rate per kilowatt of peak load. The monthly peak load for any given customer represents the maximum average demand over a period of twenty consecutive minutes in the month. As the system peak load usually occurs in December, the peak loads for that month are given for municipal systems in the table of load statistics in Appendix I. The sum of these loads in 1957 was 2,824,187 kilowatts, an increase of 5.9 per cent over the 2,666,012 kilowatts supplied in 1956. The energy supplied to the municipal utilities and local systems in 1957 was 13,910,368,728 kilowatt-hours, an increase of 6.5 per cent over the corresponding figure for 1956.



DIRECT INDUSTRIAL CUSTOMERS

The industrial customers served directly by the Commission include mines in relatively isolated areas, and industrial customers of many types whose requirements for power may exceed the supply capability of the local rural or municipal facilities. The total number so served at the close of 1957 was 219 as compared with 206 at the close of 1956.

The sum of the coincident primary peak loads of these customers reached a monthly maximum in September at 1,370,993 kilowatts. This represents an 8.0 per cent increase over the December 1956 maximum of 1,269,310 kilowatts. The corresponding energy supplied during the year increased from 8,174,144,036

Primary Power and Energy Supplied to Direct Industrial Customers, By Types of Industry

Type of industry	Average of the monthly peak loads		Annual energy delivered		Increase or decrease per cent
	1956	1957	1956	1957	
	kw	kw	kwh	kwh	
Pulp and Paper.....	236,081	279,458	1,704,911,315	1,916,335,986	12.4
Mining:					
(a) Gold.....	85,458	85,570	575,907,284	573,939,308	0.4
(b) Silver and Cobalt.....	3,889	3,802	19,835,867	19,394,580	2.2
(c) Base Metals.....	211,436	221,886	1,459,623,851	1,535,692,618	5.2
(d) Uranium.....	10,230	40,547	58,737,254	250,475,754	326.4
(e) Non-Metals.....	5,609	6,150	26,238,479	28,908,098	10.2
Quarrying, Cement, and Basic Building Materials.....	32,018	40,851	198,373,667	245,695,773	23.9
Steel and Electro-Metallurgical.....	186,372	172,867	1,060,281,245	985,020,159	7.1
Abrasives.....	75,749	79,325	598,486,200	629,873,825	5.2
Chemical, Electro-Chemical, and Cyanamid.....	187,342	203,155	1,444,438,200	1,580,934,727	9.4
Grain Elevators and Milling.....	7,794	8,084	29,965,450	29,332,210	2.1
Transportation Services and Communications.....	5,019	7,867	27,052,453	38,338,502	41.7
Government Services and Institutions.....	24,938	23,484	109,240,886	113,900,363	4.3
General Manufacturing.....	85,511	93,750	407,881,951	435,674,754	6.8
Miscellaneous.....	64,052	68,568	453,169,934	483,062,888	6.6
Total.....	1,221,498	1,335,364	8,174,144,036	8,866,579,545	8.5

kilowatt-hours in 1956 to 8,866,579,545 kilowatt-hours in 1957. The accompanying table analyzes these peak and energy loads by types of industry. For this purpose averages of the twelve monthly peaks are used together with the energy figures as a measure of annual activity in a particular industry. In addition to the energy shown in the table, 3,534,183,894 kilowatt-hours of surplus energy were delivered to direct industrial customers, bringing the annual total supplied to 12,400,763,439 kilowatt-hours.

Analysis of Primary Loads

Energy consumption by industrial customers served directly by the Commission continued generally to increase at a rate only moderately (0.9 per cent) below that of 1956. The steel and electro-metallurgical industry and uranium mining were notable exceptions. The first, after two years of fairly rapid advance, declined by 7.1 per cent from the 1956 levels, while uranium mines consumed over four times as much energy in 1957 as in 1956. Accelerated growth was also apparent in the quarrying and construction materials group.

Over one-third of the total increase in energy consumption by industrial customers was in the mining industry, though base-metal mining showed a fairly sharp levelling off. The pulp and paper industry accounted for over 30 per cent of the increase and the chemical and electro-chemical industry for nearly another 20 per cent. These three industrial groups in that order were the major energy consumers. Together with the steel and electro-metallurgical industry they account for nearly 78 per cent of the energy supplied to the Commission's industrial customers.

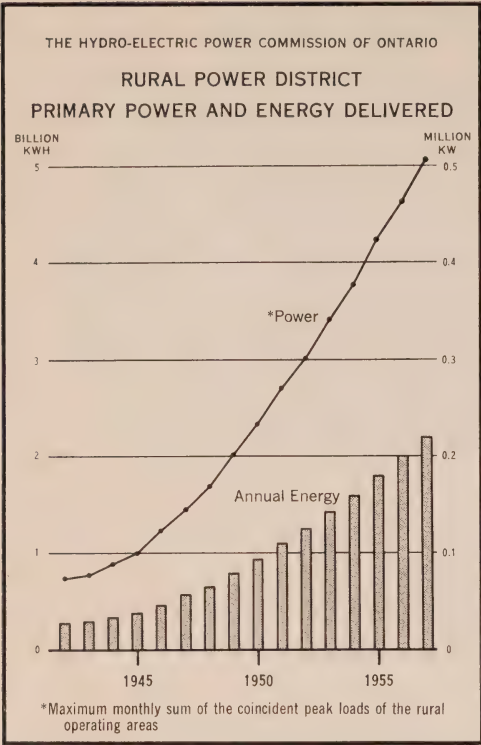
RURAL ELECTRICAL SERVICE

During 1957 there was a net increase of 883 miles in rural distribution lines in service. This is a substantially greater increase than in 1956. It is reflected in corresponding larger increases in numbers of customers for all services except summer service, which fell only slightly short of last year's total. The number of hamlet service customers rose sharply in both the north and the south, the rate of growth returning approximately to that established over the whole 1944-1957 period. The most notable increase both in the number of hamlet service customers and in total took place in the Northeastern Region. The Georgian Bay, East Central, and Eastern Regions, where the most extensive additions of line were undertaken, appropriately show the greatest increases in number of farm service customers. They also recorded substantial increases in the number of summer service customers.

At the end of 1957 a total of 453,611 customers were being served over 45,375 miles of rural primary distribution lines. Farm service customers represented approximately 31 per cent of the total served, while hamlet service and summer service customers were 43 per cent and 18 per cent respectively.



The automatic milking equipment shown here in use is only one of many major labour-saving devices by which electric power lightens manual work on the farm. While milking proceeds, the attendant is free to make entries in the daily records.



Load Growth

The monthly sum of the coincident peak loads of the rural operating areas was highest for the year in December when it reached 508,404 kilowatts. This represents an increase of 10.0 per cent over the maximum of 462,123 kilowatts in 1956. An equivalent increase in energy supplied to the areas raised the total by 10.1 per cent from 2,000,359,332 kilowatt-hours in 1956 to 2,203,026,343 kilowatt-hours in 1957.

All classes of rural service showed increases in consumption ranging from 6.7 per cent for farm service to 13.4 per cent for hamlet service, and for all except power service these increases were proportionally greater than the corresponding increases in numbers of customers served. The average consumption per customer, therefore, was

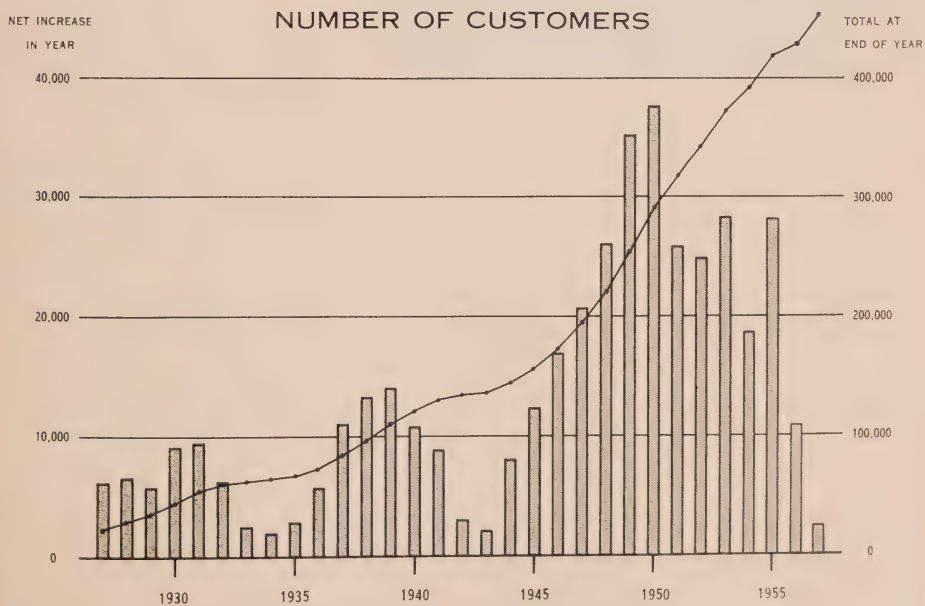
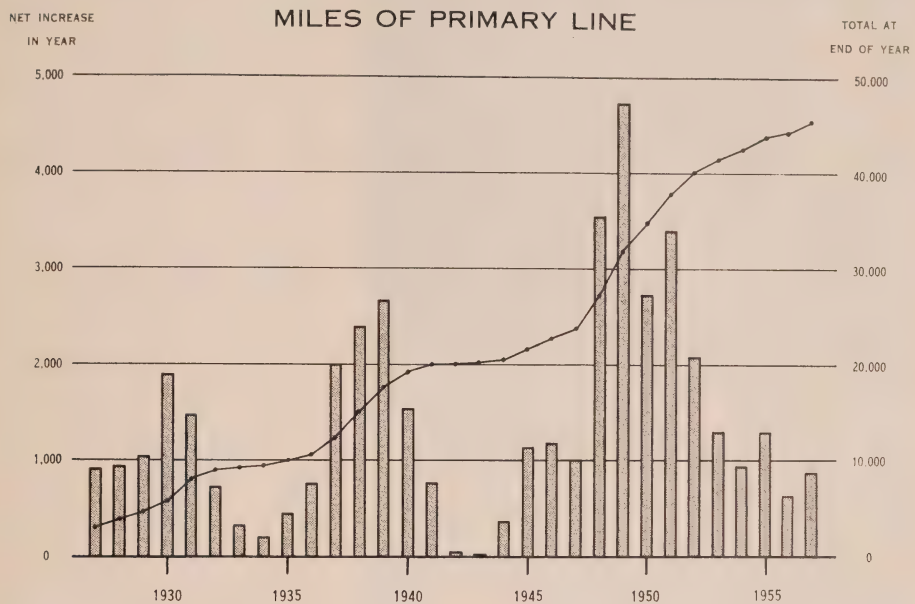
Rural Power District
NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1957

System and Region	Miles of primary line	Number of customers						
		Farm	Hamlet	Com-mercial	Summer		Power	Total
					Com-mercial	Other		
SOUTHERN ONTARIO SYSTEM								
Western.....	42.89	144	1,980	151	12	220	47	2,554
West Central.....	37.62	8	1,980	144	5	238	33	2,408
Niagara.....	16.24	13	1,040	85	2	70	15	1,221
Toronto.....	26.26	48	1,064	131	1	1	24	1,265
Georgian Bay.....	175.21	368	1,088	132	108	2,252	5	3,953
East Central.....	206.92	243	1,903	184	56	1,460	18	3,864
Eastern.....	185.52	497	2,004	202	22	554	37	3,316
Total.....	690.66	1,321	11,059	1,029	200	4,793	179	18,581
NORTHERN ONTARIO PROPERTIES								
Northeastern.....	123.96	22	3,288	348	13	419	40	4,130
Northwestern.....	68.01	28	565	104	4	190	10	845
Total.....	191.97	6	3,853	452	17	609	50	4,975
Total—All systems	882.63	1,315	14,912	1,481	217	5,402	229	23,556

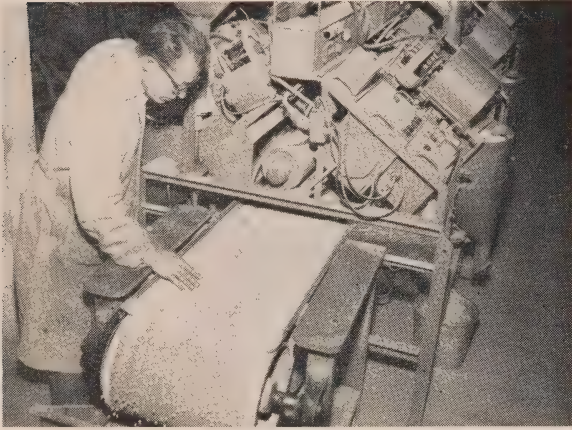
Italic figures indicate decrease.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

RURAL POWER DISTRICT



lower than in 1956 by a fraction of one per cent for power service but substantially higher for other classes of service. The major change was the 7.8 per cent growth in average consumption for hamlet service.



Electronic equipment is used in bean sorting at a modern plant. A final check is made as the product moves on a conveyor belt to the shipping department.

Of the five classes of service, hamlet service with a 10.5 per cent increase showed the largest growth in revenue. The customer's average cost per kilowatt-hour declined for four classes and remained virtually unchanged for power service.

Capital Investment

The net increase in the cost of rural distribution facilities amounted to \$14,843,-885 in 1957, of which the Provincial Government provided \$7,359,099 in accordance with The Rural Hydro-

Electric Distribution Act. Of the total investment in rural distribution facilities at the end of the year amounting to \$224,931,491, the Province had contributed \$112,084,337.

REPORTS FROM THE REGIONS AND SERVICES TO CUSTOMERS

A regional office is located in each of the nine regions of the Province in order to administer the affairs of the Commission effectively and to bring the public into close touch with its staff. These offices are located in the following municipalities: London, Hamilton, Niagara Falls, Toronto, Barrie, Belleville, Ottawa, North Bay, and Port Arthur. The regional manager and his staff, which includes representatives of the appropriate divisions of the Head Office organization, are responsible within the region for the day-to-day activities of the Commission.

A variety of services is made available to the utilities and to other Commission customers through the Commission's staff both in the regional offices and at Head Office. Some of these services are discussed on page 50. The regional staffs are in a position to render prompt assistance when required. Like the Head Office staff they co-operate closely with the municipal utilities and when required give advice and assistance to them in their engineering and administrative problems.

Western Region

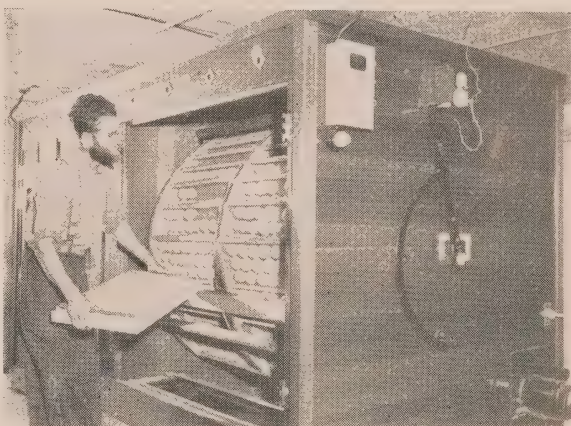
Many municipalities in the Western Region constructed new utility offices and service buildings, extended distribution lines, modernized street lighting, and undertook other work to broaden and improve service. Spacious new quarters at Windsor provide indoor garage and maintenance facilities as well as office and stores accommodation. Facilities were similarly combined in a new building for the Sandwich East Township Commission. A new service centre was erected at Tillsonburg and new buildings were under construction in Amherstburg and Sandwich West Township.

Changes and additions were made to low-voltage transmission lines by utilities in St. Thomas and Tillsonburg. Greater service security will be achieved in Sarnia with the completion of work undertaken to provide a double-loop 27.6-kv supply of power to the city. A number of municipalities carried out substantial improvements to street-lighting systems. Mercury-vapour lighting now illuminates a 2-mile section of downtown London. In Ridgetown, lighting units were mounted on steel standards erected on the inside edge of pavements, giving a more spacious air to the town's business district. Similarly, major improvements were made to lighting systems in Amherstburg, Chatham, Harrow, and Riverside.

The excellent relations which have existed between the municipal utilities and their customers is not taken for granted. A number of utilities in the region undertook a joint program to promote the use of electricity and to stress the benefits available to its users.

Frequency standardization operations in the region were completed in all but a few areas. The equipment of customers in 11 municipalities was altered for 60-cycle use during the year and this work marked the close of the standardization program. Only the equipment of a small number of customers around Burgessville and Embro remained on 25-cycle service and this equipment will be standardized early in 1958.

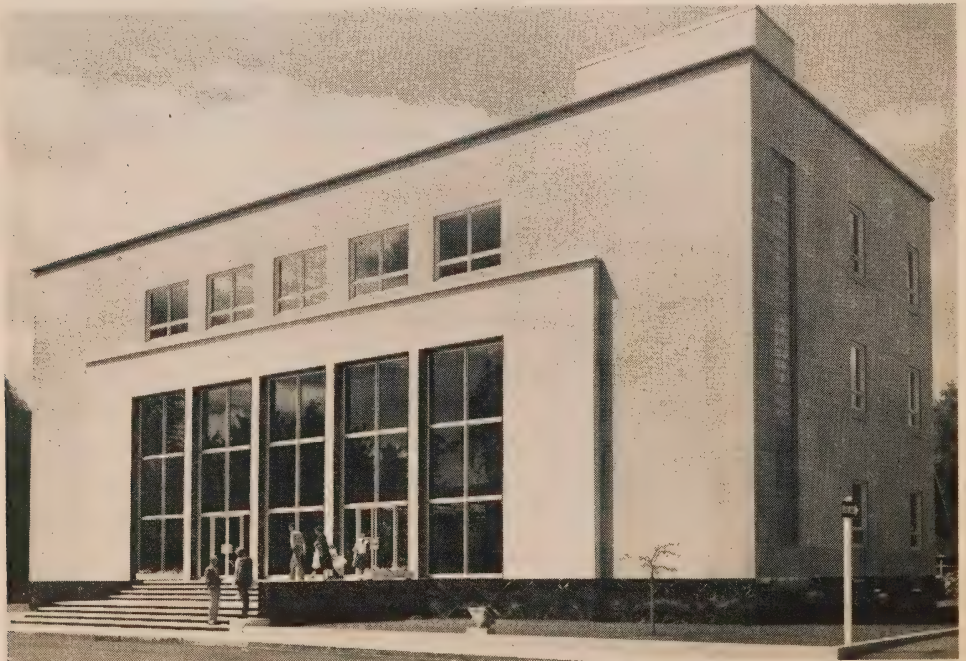
Resale rate revisions embodying the new rate structures were made effective in 23 municipalities during 1957. A total of 28 municipalities in the region are now billed on the new structures.



Incubators, electrically heated and controlled, have become standard equipment for modern poultry farms. Here, an attendant places goose eggs in an automatically operated incubator.

West Central Region

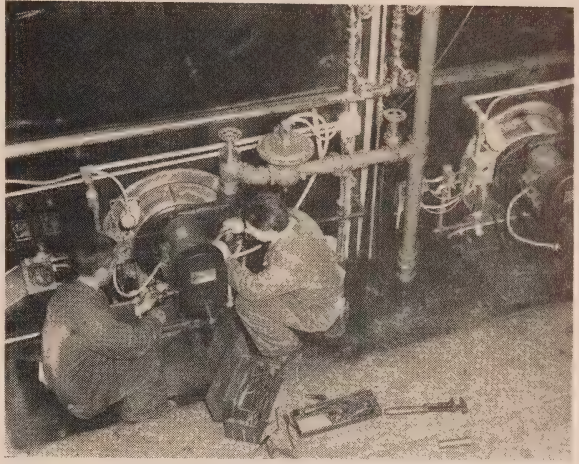
Step-down transformation facilities were increased in several municipalities in the region during 1957. New distributing stations with capacities varying from 3,000 kva to 5,000 kva were built at Galt, Guelph, Port Dover, Princeton, Simcoe, and Stratford. In Kitchener a 20,000-kva transformer, the second of its type, was installed in one of the municipal substations, and major alterations were made to another. Two distributing stations in Hamilton were rebuilt when the distribution voltage was changed from 2.3 to 4 kilovolts. All the 2.3-kv circuit-breakers at a third station were replaced also. In addition, two new 60-cycle stations, one for temporary use, were placed in service to meet loads which have risen chiefly as the result of frequency standardization operations and annexations by the city of adjacent areas. Improvements to facilities were also carried out by a large number of municipal utilities. Line extensions were made by utilities located in Caledonia, Drayton, Hagersville, Waterford, and other rural areas, as well as by utilities located in larger centres. Many changes to distribution facilities were made in conjunction with frequency standardization operations which were under way in the region in 19 municipalities. At the end of the year only a relatively few customers around Hagersville and Jarvis were still using 25-cycle power. Street-lighting systems in Dublin, Hamilton, St. Jacobs, and Waterloo were



New office building of the Brantford Public Utilities Commission

extended during the year and improvements were made to systems in other municipalities.

Expenditures to improve administrative facilities were also made in 1957. Through construction and purchase, suitable offices and service buildings were provided where needed. In several municipalities older buildings were refurbished. Utilities in Dublin, Hamilton, Harriston, Mitchell, and a number of other municipalities added office and garage accommodation. In Brantford about the middle of the year, administration of the electrical utility was transferred to a large new office building. Extensive alterations were made to offices in Seaforth, and additional warehousing facilities were also provided there.



Electrical equipment on a large industrial oil-burner is altered for 60-cycle operation.

Changes in rate schedules embodying the new rate structures were implemented in five municipalities in the region during the year.

Niagara Region

Electrical distribution systems in Beamsville, Fonthill, Grimsby, and Smithville were rehabilitated during 1957. In Niagara Falls a new customer-owned distributing station was placed in service and additional street-lighting units were installed. Construction of a new distributing station in St. Catharines was completed, and substantial progress was made on the installation of a 13.8-kv underground network to supply the business section of the city. New warehouse and service facilities were under construction in Port Colborne.

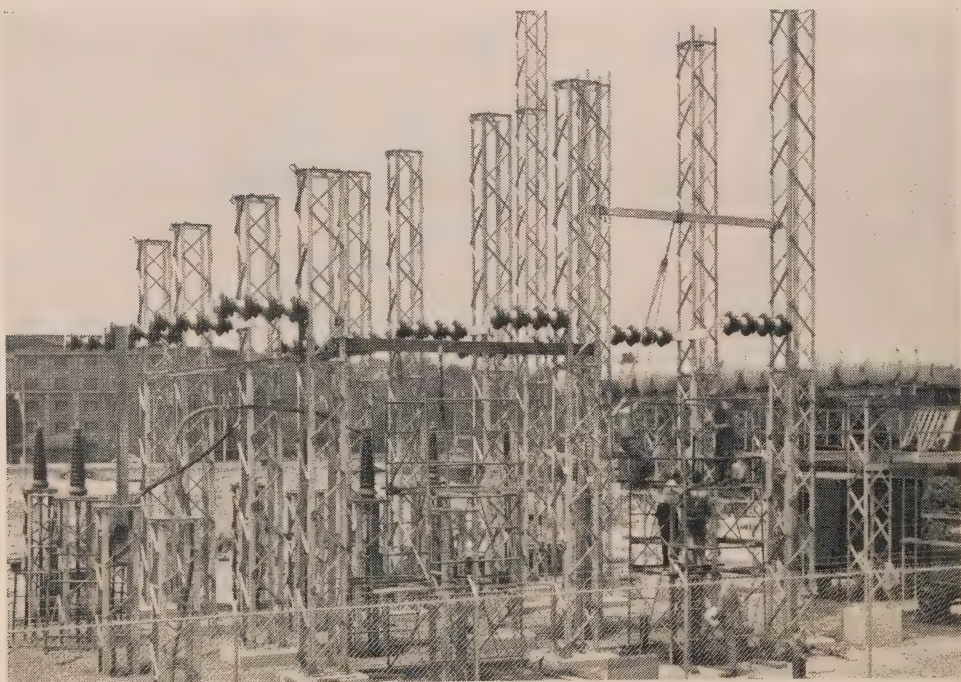
Frequency standardization in the region was completed except for the standardization of equipment in the filtration plant at Niagara Falls. The plant, which is being enlarged, will be changed over to 60-cycle operation in 1958.

Revised resale rates based on the new rate structures were introduced in Port Dalhousie.

Toronto Region

Increases in the number of customers served in the Toronto Region resulted in fairly widespread expansion of municipal transformation facilities. North York Township and Scarborough Township together provided service to over 8,000 additional customers and added 10 substations to their distribution systems. Fourteen of the new customers were industrial concerns requiring power at 27.6 kv. Almost 3,000 new customers in Etobicoke Township and over 2,000 in York Township were provided with power by the two municipal utilities. To meet the increased demands a new substation of the outdoor type was placed in service in York Township and two new substations suitably designed for location in residential areas were constructed in Etobicoke Township. Increased transformation capacity was also provided by utilities in Brampton, Georgetown, Oakville, and Trafalgar Township during the year.

In Toronto four new 4-kv substations, each with an ultimate capacity of 20,000 kva, were placed in service. A fifth substation was temporarily installed in the central section of the city. Additional 60-cycle power became available to the municipal utility when the Commission replaced the 25-cycle transformers at Toronto-John Transformer Station with 60-cycle transformers and increased the capacity of 60-cycle facilities at Toronto-Bridgman, Toronto-Esplanade, and Toronto-Wiltshire Transformer Stations. A third 40,000-kva switchgear unit was placed in service at Toronto-Strachan Transformer Station. Some 54 miles of 13.2-kv power cable were installed by the municipal utility during the year as



PUTTING TRANSMISSION CIRCUITS UNDERGROUND IN METROPOLITAN TORONTO

Termination structures for 115-kv, underground circuit cables at Riverside Junction. At this point the cables will be connected to overhead transmission lines from A. W. Manby Transformer Station.

part of the network of primary feeder lines. In addition to carrying power to municipal substations these lines will supply certain large power service customers and two substations of the Toronto Transit Commission. Line construction also included the installation of about 105 miles of low-voltage power cables and control cables. Forty-eight new under-ground transformer vaults were constructed.

Frequency standardization operations in the Toronto Region were completed except for certain sections of the city of Toronto and the town of Leaside. Work was completed during the year in the downtown business area of Toronto and in the west central part of the city. The Toronto Islands and the waterfront areas were standardized during the summer months. The 60-cycle peak demand of the municipal system was 457,900 kilowatts, 28 per cent greater than it was in 1956. The combined 25- and 60-cycle peak load supplied to the system was 559,995 kilowatts, an increase of 4 per cent over that of 1956.

Mercury-vapour lighting systems were installed in Bolton and Etobicoke Township during the year. In Milton new administrative buildings were erected, and in Weston office and stores accommodation were obtained in the new municipal building.

Resale rates were reduced in five of the seven municipalities where the new rate structures were introduced during 1957.

Georgian Bay Region

Municipal utilities in the region improved and extended electrical distribution facilities in 1957 in order to meet a steady increase in load demands, an increase that was most evident in rural areas. During the year the total capacity of municipal distributing stations in Barrie, Huntsville, and Owen Sound was substantially increased. At Camp Borden also a 4,000-kva distributing station was replaced by a 6,000-kva station. In Coldwater a new power service customer placed in service a 1,000-kva substation. Power was supplied in Midland to a new substation installed by a power service customer who had enlarged his plant. The municipal utility in Orillia completed the construction of a new 44-kv switching station in



A 1,000-horsepower synchronous motor, rewound for 60-cycle operation, is hoisted into position in a Toronto pumping station.

the spring. This resulted in improved operation of the distribution system which is supplied from three municipally owned generating stations as well as from Commission resources. Extensive improvements were carried out also in Bracebridge where reconstruction in part of the town's generating station and the construction of a new concrete dam resulted in greater capacity and more economic operation. In Port Carling work was undertaken to raise the distribution voltage from 4 to 12 kv. In Victoria Harbour the voltage level was raised from 2.3 to 4 kv.

Resale rate revisions embodying the new rate structures became effective in 14 municipalities during the year. Customers in about 27 per cent of the municipalities in the region were being billed on the new schedules at the end of 1957.

East Central Region

Industrial activity in the East Central Region remained at a fairly high level during 1957, and this was reflected in continued demands for additional power. Municipal utilities were meeting these demands by extensive changes to their distribution facilities. New municipal substations were built in Ajax, Bloomfield, Kingston, Oshawa, and Peterborough. In Kingston the construction of a new 5,000-kva municipal substation was completed during the year and a second will be ready for service early in 1958. Each of these stations was designed for an ultimate capacity of 15,000 kva. Increased capacity became available in Belleville when the local utility installed a higher-rated transformer at one of the two municipal substations and added cooling fans to the transformer in another.



An attractive bungalow-type office serves rural customers in the Minden area.

Customer-owned stations of 1,000-kva capacity each were placed in service in Port Hope, Trenton, and Whitby during the year. In Lindsay the heavy power-loading experienced on the municipal substation was relieved when the largest power service customer in the town installed a 3,000-kva substation.

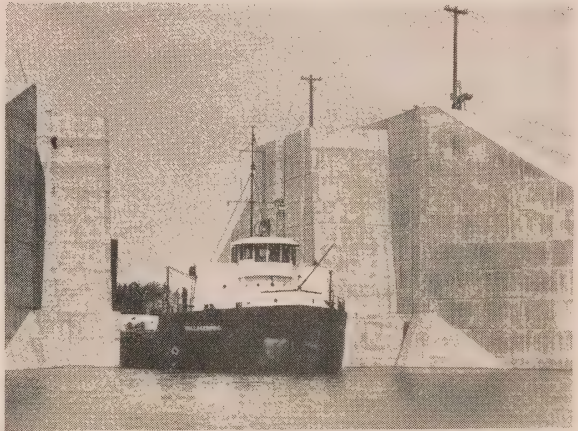
Further work was carried out to improve distribution lines, street-lighting systems, and administration facilities. In Peterborough underground distribution lines were extended to serve a large part of the business district and a new building was erected to provide additional garage space. Distribution lines in Madoc were rebuilt to improve service security, and in Millbrook rehabilitation of the major part of the municipal distribution system was begun. Street-lighting systems in Kingston, Marmora, Napanee, Trenton, and Tweed were altered to provide better illumination on main thoroughfares. New administrative offices were purchased in Brighton, Colborne, and Kingston. Offices in Trenton were completely refurbished during the year.

In 1957 revised resale rate revisions embodying the new rate structures were introduced in 6 municipalities, including the city of Oshawa.

Eastern Region

In Ottawa the number of customers served by the municipal utility totalled 76,353 at the end of 1957, an increase of 4 per cent over the number served in 1956. Extensions and improvements to the distribution system there resulted in an increase in substation capacity of 13,800 kva during the year. About 11 miles of new 12-kv and 5-kv underground cable circuits were also placed in service and some 2 miles of duct line were installed. More than a mile of 12-kv overhead

feeder-line was built and 23 miles of 4-kv distribution line were erected. Improvements were also carried out in other municipalities in the region. New 3,000-kva distributing stations were placed in service in Brockville, Cardinal, and Hawkesbury. In Arnprior work began on the construction of a new 2,000-kva distributing station. A four-year program of system rehabilitation in L'Orignal was completed and a similar program was under way in Vankleek Hill. In Merrickville approximately one-third of the municipal distribution system was rebuilt for



ST. LAWRENCE POWER PROJECT — A freighter moves inland through the closure structure which affords passage through the Cornwall dike.

2.3-kv operation. Street-lighting systems in Almonte, Carleton Place, Maxville, and Renfrew were improved. Mercury-vapour units were installed in the business section of Westport and in new subdivisions in Ottawa.



ST. LAWRENCE POWER PROJECT — This new shopping centre, conveniently located and attractive in appearance, was opened in May 1957. It is one of four centres established in communities relocated along the north shore of the St. Lawrence River.

Relocated municipalities in the St. Lawrence Power Project area were provided with electrical distribution systems of the most modern type. Distribution lines were located and substations designed in keeping with the trim attractive appearance of the new towns. In Iroquois this work was completed by the end of the year. In Ingle-side, Long Sault, and Morrisburg the new distribution

systems will be completed early in 1958.

On January 1, 1957, power was first supplied at cost to the municipality of Chalk River. Resale rate revisions embodying the new rate structures became effective in nine municipalities in the region during the year.

Northeastern Region

In a number of municipalities in the region the Commission owns the local distribution system and serves customers directly. Improvements to facilities in these local systems are carried out by the Commission's regional staff. During 1957 Commission forces rehabilitated distribution facilities in Blind River. Substation capacity was increased at Elk Lake Townsite with the installation of an additional transformer, and at Cobalt with the placing in service of a new 3,000-kva distributing station. The Commission also made substantial improvements to



This attractive church in Iroquois is one of four places of worship built to meet the needs of the new community.

The Commission also made substantial improvements to

facilities in Larder Lake Township. Municipal utilities in Kapuskasing, Thessalon, and Webbwood carried out similar work to improve the supply of power to their customers. In Cochrane a spare 1,000-kva transformer was purchased to provide greater security of service. A new 3,000-kva substation was placed in service in North Bay. At Sudbury a new administrative building was officially opened in April.

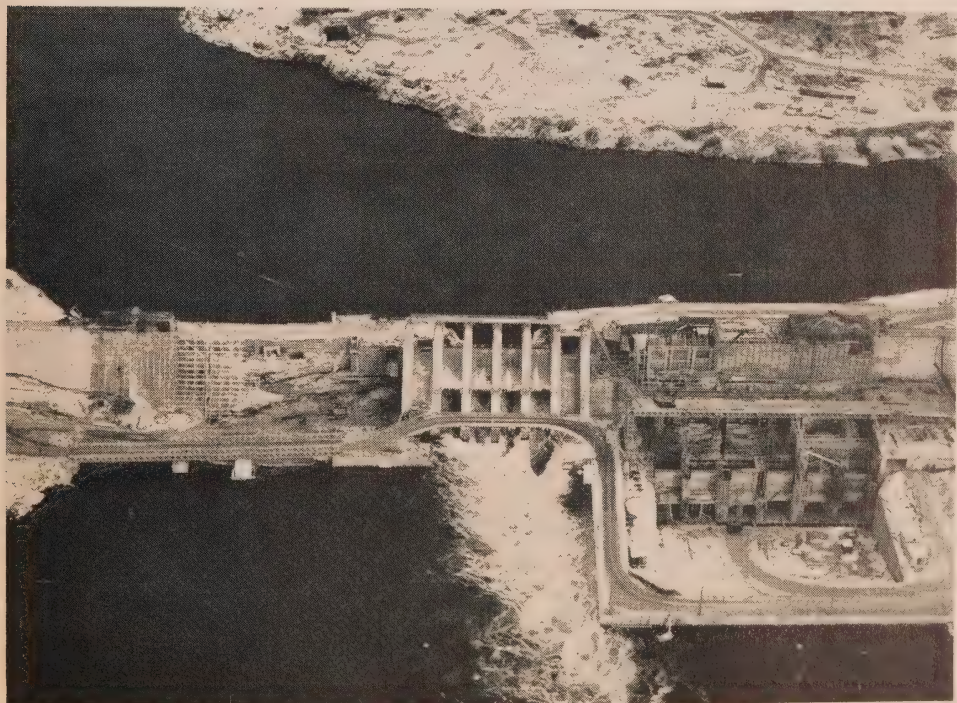
Frequency standardization operations in the region will begin early in 1958.

Resale rates were reduced in Sturgeon Falls when the new rate structures became effective.

Northwestern Region

Municipalities in the northwest undertook a variety of tasks designed to improve service. In Fort William expenditures were made to provide new warehouse and stores accommodation and to extend the municipal distribution facilities. Improvements were made to the Fort William street-lighting system and to street-lighting systems in Atikokan Township, Dryden, and Terrace Bay. In Port Arthur, administrative offices were refurbished. Changes were also made to increase distributing station and line capacities. The number of domestic, commercial, and power service customers in total increased about 4 per cent during the year. The eight municipalities receiving power at cost from the Commission supplied more than 30,000 of these customers.

With the introduction of the revised rate structures, resale rates in Terrace Bay were reduced.



CARIBOU FALLS GENERATING STATION — This new development on the English River will add 67,500 kilowatts to the Commission's output when it is completed in 1958. It is the third power site developed on the 140-mile stretch of river between Lac Seul and the junction of the English and Winnipeg Rivers.

SERVICES TO CUSTOMERS

Industrial Surveys

Studies were undertaken at a number of industrial plants where electric spot welders are used. The object was to improve widely fluctuating voltage conditions brought about by the welding operation. Eighty-one power-factor surveys were carried out for industrial customers served either by the Commission or by the municipal utilities. Recommendations were made for the installation of a total of 6,150 kva of capacitors which would result in improved economy in the customers' operations and more efficient operation of the power supply system.

Lighting

As a service to customers of the municipal and rural distribution systems, plans and specifications were prepared for over 300 lighting installations. In this way the special skill and qualifications of the Commission's staff are made available to those interested in improving lighting for schools, offices, industrial and commercial locations, and for streets and public buildings. Somewhat more than 40 per cent of these plans and specifications were prepared for the Department of Education of Ontario for school installations.

Inspection

Electrical installations are governed by regulations made by the Commission under The Power Commission Act. Each installation must be covered by a permit and approved by an inspector before being connected to the power supply. The number of permits issued and inspections made during the year was somewhat lower than during 1956, reflecting the downward trend in new construction.

Amendments made to the Ontario Hydro Regulations include revisions in the Canadian Electrical Code, Part I, and numerous changes required by advanced techniques in the electrical industry.

The Commission is also constantly vigilant in establishing and maintaining standards in the manufacture of electrical equipment and in ensuring that all such equipment being sold to the public is properly approved.

SECTION IV

FREQUENCY STANDARDIZATION

THE gigantic task of changing the frequency at which power is supplied to customers in a 12,000-square-mile area of the Southern Ontario System is scheduled to be completed in mid-1959. It was begun in the autumn of 1949, at which time it was estimated that some 784,000 customers would be involved and that it would be necessary to standardize or replace on the average 2.7 frequency-sensitive items for each domestic customer included. The total number of customers involved has progressively increased over the period of the work. By present estimates it will be just over a million, and the average number of frequency-sensitive items now being encountered per domestic customer in the Toronto area is 5.9.

Progress in 1957

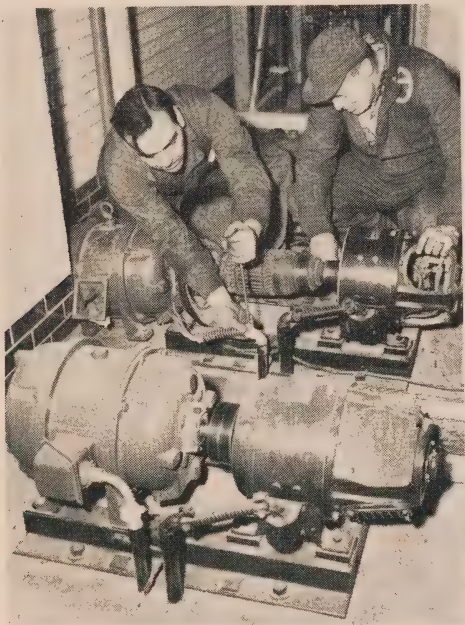
By the end of 1957 the equipment of 915,700 customers, or roughly 90 per cent of the total program, had been standardized. The industrial customers whose equipment remains to be changed over represent only about 3 per cent of the total motor-connected horsepower in the industrial program.

PROGRESS OF FREQUENCY STANDARDIZATION BY CLASSES OF SERVICE

Class of service	Services standardized		Customer moves		Frequency-sensitive items standardized	
	During 1957	Total to Dec. 31, 1957	During 1957	Total to Dec. 31, 1957	During 1957	Total to Dec. 31, 1957
Domestic.....	110,265	688,504	14,146	130,083	664,276	3,579,528
Commercial.....	16,074	80,773	549	2,554	213,283	920,711
Power.....	2,596	13,281	78	468	82,778	769,877
Total standardized, all classes.....	128,935	782,558	14,773	133,105	960,337	5,270,116
Miscellaneous—Clocks, fans, and small items exchanged.....					163,162	865,218

At the beginning of the year the principal areas of standardization operations were Toronto, Hamilton, St. Thomas, and the Niagara Region. Operations in Hamilton and St. Thomas were completed early in the year, and work continued throughout the remainder of the year in a number of municipalities and rural areas in the Western and West Central Regions. In all, work was completed for customers in 30 municipal systems, including the cities of Brantford and Woodstock. Standardization of equipment of the Commission's customers in the Niagara Region

was virtually finished by the end of the year and assistance was then extended to the Canadian Niagara Power Company in standardizing equipment of their customers in the Fort Erie area. Throughout most of 1958 the area of frequency standardization activity in the Southern Ontario System will be confined to the east central part of Toronto. The remainder of Toronto and all of Leaside will be changed over during the first part of 1959. Preparatory work was well in hand for standardization which is to begin in the Commission's Northeastern Division early in 1958. This operation is expected to require about six months.



An exciter for a 112-horsepower motor is dismantled during frequency standardization operations.

The financial aspects of this vast and exceedingly complex operation are discussed elsewhere in this Report (see page 21). The cost of so extensive a program has naturally increased with the widening scope of the work and the

continuous rise in prices of labour and materials, but the benefits are also proportionally greater today than they were in 1949. Sixty-cycle equipment is now standard for most of the North American continent. The use of such standard equipment benefits all customers in the former 25-cycle area, new and old alike, and in direct proportion to the extent of their use of such equipment. Therefore, the decision to assess the municipal utilities' share of the cost in relation to their year-to-year loads has proved to be a wise one. On this basis no municipality derives any special advantage because of its priority in the program.

With the accelerated progress of the work it has been possible to realize substantial savings in total cost which serve to offset to some extent the rising costs of labour and materials. It is true that there were about 11,000 fewer customers involved in 1957 operations than there were in the 1956 program, but the number of items changed over exceeded the 1956 total by more than 51,000. This is reflected in the increase in the average number of items per

domestic service standardized from 4.8 in 1956 to 5.8 in 1957. With the reduction in the size of the 25-cycle island there has been a substantial decrease in the number of customer moves from 25-cycle to 60-cycle areas.

Measures to Achieve Economies

The Commission continued to extend the application of techniques that have proved economical in the past, particularly in the standardization of refrigerators. Further economies were achieved by replacing older type repulsion-induction motors of less than one horsepower with less expensive capacitor-start types. Of the more than 333,000 motors used for standardizing equipment during 1957, more than 23 per cent were rewound 25-cycle motors and about half of these had been rewound in the A. W. Manby Service Centre. Just over 5,000 salvaged 25-cycle motors that could not be economically rewound were sold. The use of these motors to meet customer requirements would leave manufacturers more free to concentrate on production of 60-cycle equipment. Some 76,000 meters of various kinds were changed over to the higher frequency in the Meter Shop of the A. W. Manby Service Centre. Salvage that was not otherwise serviceable was disposed of as scrap to the extent of some 6,000 tons.

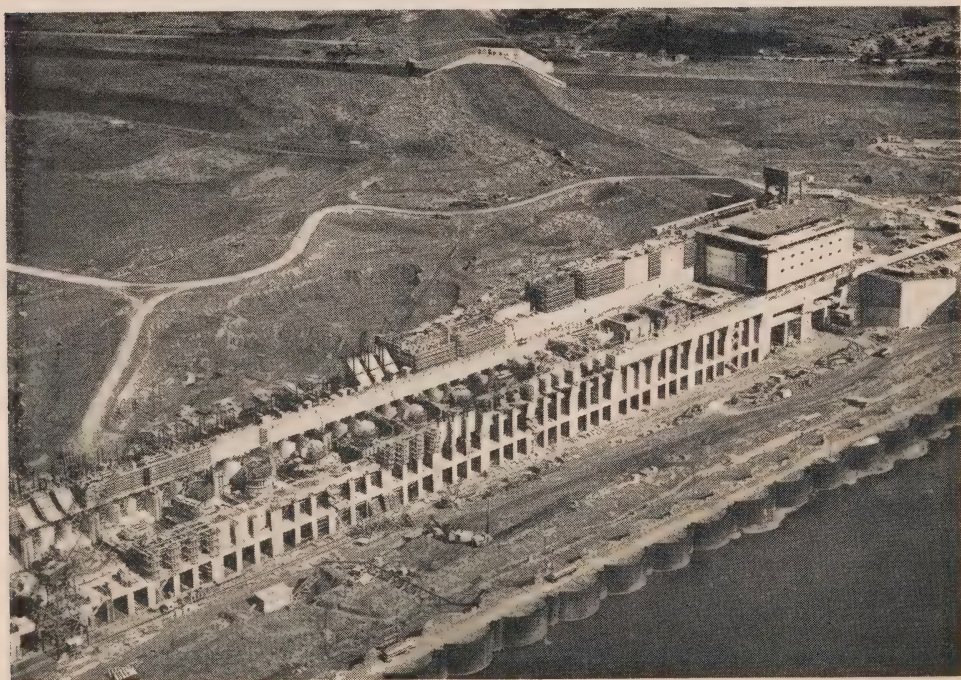


Electrical control equipment receives final adjustment following standardization in a large industrial plant.

SECTION V

PLANNING, ENGINEERING, AND CONSTRUCTION

THE name Ontario Hydro by which the Commission is familiarly known throughout the Province is itself an indication of the almost exclusive importance of hydraulic engineering in the Commission's operations during the past fifty years. With the construction of the two major thermal-electric stations in Toronto and Windsor beginning in 1948, and their subsequent incorporation into the network in 1951, it was apparent that thermal-electric generation was soon to assume much greater importance in the Commission's affairs. Now with the



ST. LAWRENCE POWER PROJECT — View of the Canadian half of the 32-unit power project from the southeast. In the foreground, cells of the downstream cofferdam are visible. Work along the downstream face of the dam and in the tailrace area neared completion by the end of 1957. When this area is flooded in the spring of 1958 the cofferdam will be removed.

Summary of Ontario Hydro's Power Development Program—1945-1962
as at December 31, 1957

<i>System and Development</i>	<i>In service</i>	<i>Dependable peak capacity</i>
SOUTHERN ONTARIO SYSTEM		
		<i>kw</i>
DeCew Falls (extension)—Niagara Region	1947	57,000
Stewartville—Madawaska River	1948	63,000
Polymer Corporation (Additional power purchase contract)	1948	22,000
Emergency thermal-electric units	1949—1950	**
Des Joachims—Ottawa River	1950—1951	372,000
Chenau—Ottawa River	1950—1951	117,000
Richard L. Hearn—Toronto	1951—1953	400,000*
..... (4 units)	1958—1960	800,000*
J. Clark Keith—Windsor	1951—1953	264,000*
Otto Holden—Ottawa River	1952—1953	210,000
Sir Adam Beck—Niagara No. 2—Niagara River ... (14 units)	1954—1957	1,050,000*
..... (2 units)	1958	150,000*
Pumping-Generating Station	1957	85,000*
..... (3 units)	1958	85,000*
Robert H. Saunders-St. Lawrence—		
St. Lawrence River	1958—1960	820,000*
Nuclear Power Demonstration—near Des Joachims		
Generating Station	1961	20,000*
Lakeview—near Toronto	1961—1962	600,000*
..... (2 units)		
NORTHERN ONTARIO PROPERTIES		
NORTHEASTERN DIVISION		
George W. Rayner—Mississagi River	1950	47,000
Abitibi Canyon (extension)—Abitibi River	1959	45,000
..... (1 unit)		
NORTHWESTERN DIVISION		
Ear Falls (extension)—English River	1948	6,000
Aguasabon—Aguasabon River	1948	44,000
Pine Portage—Nipigon River	1950—1954	119,200
Manitou Falls—English River	1956	
..... (4 units)	1958	65,700
..... (1 unit)		
Caribou Falls—English River	1958	67,500
Whitedog Falls—Winnipeg River	1958	54,000
..... (3 units)		
Cameron Falls (extension)—Nipigon River	1958	19,100
..... (1 unit)		
Alexander (extension)—Nipigon River	1958	11,300
..... (1 unit)		
Silver Falls—Kaministiquia River	1959	45,500
..... (1 unit)		
Thunder Bay—Fort William	1961	100,000*

*Installed capacity.

**With the dismantling in early 1956 of the 20,000-kilowatt Scarborough Generating Station, only the Steel Company of Canada station in Hamilton remains of the emergency thermal-electric stations brought into service during the period January 1949 to April 1950.

approaching completion of the Sir Adam Beck-Niagara Generating Station No. 2 and the early prospect of completion of a major part of the construction of the Robert H. Saunders-St. Lawrence Generating Station, the program of thermal-electric generation assumes a new perspective. The transition from predominantly hydraulic to predominantly thermal engineering to which the Annual Report of 1956 referred is already well begun. The advent of nuclear power and the encouraging developments that have taken place in this field during the past three or four years will contribute to accelerating this change.

Such a generalization tends, of course, to oversimplification. Considerable activity will continue at the St. Lawrence Power Project for two years after the first units come into service, and a number of hydro-electric stations in northern Ontario, like those being built or extended in 1957, will be developed from time to time as the changing economic situation may require. Among the first

**Expenditures on Capital Construction
By Fiscal Years 1946-1957**

	Generation	Transformation	Transmission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
*1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,628	23,033	4,534	162,831
1953.....	117,311	21,711	15,444	24,402	4,767	183,635
1954.....	76,649	15,360	16,091	20,133	4,585	132,818
1955.....	68,483	12,624	10,823	18,961	3,681	114,572
1956.....	128,245	13,464	11,424	17,244	2,626	173,003
1957.....	151,738	17,302	19,295	17,347	3,010	208,692
Total 1946-57.....	974,491	202,365	185,239	212,321	43,449	1,617,865

*14-month fiscal period

sites to be considered will be Otter Rapids on the Abitibi River and Red Rock Falls on the Mississagi River. The St. Lawrence Power Project, however, is the last major hydraulic development in the Southern Ontario System. Significant decisions were therefore taken during 1957 regarding future thermal-electric stations in the Province.

The first major decision recognized the unusually rapid growth of power requirements in the northwestern part of the Province and the necessity to build

Total Mileage of Transmission Lines and Circuits

Voltage and Structure	Line route or structure miles		Circuit miles	
	At Dec. 31, 1956	At Dec. 31, 1957	At Dec. 31, 1956	At Dec. 31, 1957
SOUTHERN ONTARIO SYSTEM				
230,000-volt.....steel tower.....	2,557.17	2,612.28	3,144.65	3,208.23
115,000-volt.....steel tower.....	1,555.10	1,552.27	2,398.56	2,394.80
115,000-volt.....wood pole.....	934.28	934.04	938.89	938.65
115,000-volt.....underground cable.....	13.15	17.11	23.83	38.67
60,000-volt.....steel tower.....	11.17	11.17	12.30	12.30
60,000-volt.....wood pole.....	2.66	2.66	2.66	2.66
44,000-volt and less. wood and steel...	4,686.60	4,696.17	5,202.23	5,222.11
Total Southern Ontario System...	9,760.13	9,825.70	11,723.12	11,817.42
NORTHERN ONTARIO PROPERTIES				
230,000-volt.....steel tower.....	55.28	55.28	55.28	55.28
230,000-volt.....wood pole.....	51.71	144.75	51.71	144.75
115,000-volt.....steel tower.....	865.64	865.64	1,519.08	1,519.08
115,000-volt.....wood pole.....	1,163.89	1,301.65	1,163.89	1,301.65
69,000-volt.....wood pole.....	203.72	203.73	203.72	203.72
44,000-volt and less. wood and steel...	1,693.69	1,603.51	1,772.66	1,674.98
Total Northern Ontario Properties	4,033.93	4,174.55	4,766.34	4,899.46
Total—All systems.....	13,794.06	14,000.25	16,489.46	16,716.88

the Thunder Bay (thermal-electric) Generating Station in Fort William not only to provide in part for these growing loads but also to afford some assurance of supply when stream-flows are unfavourable. Later in the year the decision was taken to proceed with two more large thermal-electric stations for the supply of the Toronto-Hamilton area, each with a planned ultimate capacity of 1,800,000 kilowatts.

Survey Work

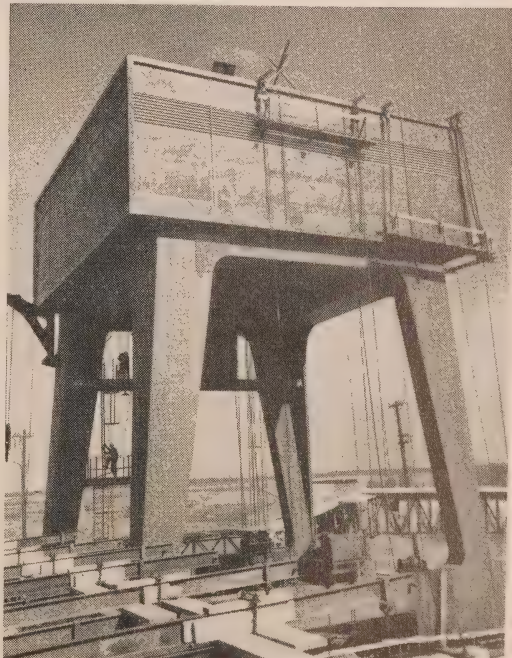
Preparatory work for these widely separated projects has involved extensive survey work—river investigation surveys in the northern regions, pre-engineering surveys and underwater sounding operations for the thermal-electric stations, and location surveys for transmission facilities. Aerial photography was used for over 500 line miles of survey work on northern Ontario rivers and a stereo-plotter is now being used to transfer the information obtained to large-scale contour plans.

Regional Office and Service Buildings

The new regional office building in Belleville was approaching completion at the end of the year. Regional service buildings were erected in North Bay and Port Arthur. Area office and service buildings were completed in the Beamsville, Lancaster, Markham, St. Thomas, Stratford, and Walkerton areas, and a number of others were under construction.

SOUTHERN ONTARIO SYSTEM **Progress on Power Developments**

In the Southern Ontario System three major power projects were under construction during 1957. At Sir Adam Beck-Niagara Generating Station No. 2 the final stages were reached in a program that has been going on continuously since early 1950. Plans for the seven-unit station then scheduled were extended in 1952 to include twelve units, further extended in 1953 to incorporate a pumped-storage scheme, and by early 1956 the Commission had decided to proceed with four additional units in the main station. At the St. Lawrence Power Project work was begun in August 1954 and is scheduled for completion in 1960. Richard L. Hearn Generating Station in Toronto was begun in 1949 on a site affording adequate space for progressive expansion. Four units were in service at the station in 1953. Construction began in late 1956 and continued throughout 1957 on the extension



ST. LAWRENCE POWER PROJECT—This giant gantry-crane, with a lifting capacity of 90 tons, will travel the length of the headworks at the Robert H. Saunders-St. Lawrence Generating Station to carry out maintenance. The crane stands 66 feet in height and has a travelling speed of 100 feet per minute.

of this station by four additional units to three times its present capacity of 400,000 kilowatts. A brief report of the year's progress in this and other construction activity follows.

ROBERT H. SAUNDERS-ST. LAWRENCE GENERATING STATION—ST. LAWRENCE RIVER

Location —The International Rapids Section of the St. Lawrence River about 2 miles west of Cornwall.

Installed Capacity —820,000 kilowatts in 16 units, 60 cycles (Ontario Hydro's share).

Rated Head —81 feet.

In-Service Schedule —1958-1960.

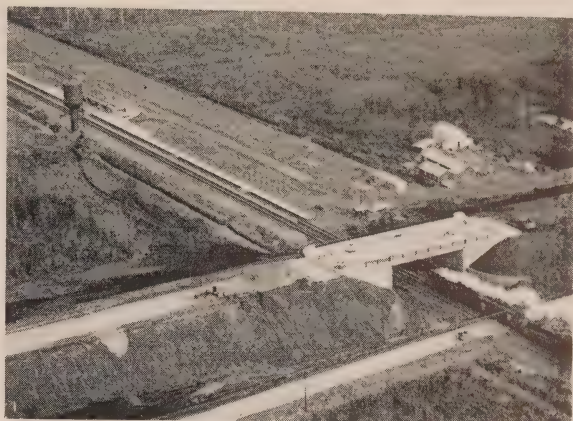
Estimated Cost —\$300,000,000, including generation, step-up transformation, and associated high-voltage switching at St. Lawrence Transformer Station.

The scheme to develop power in the International Rapids Section of the St. Lawrence River has been a joint undertaking of the Commission and the Power Authority of the State of New York. Since it is closely related to the St. Lawrence



ST. LAWRENCE POWER PROJECT — The business district and part of the residential section of Morrisburg relocated on higher ground. Flooding of the area shown in the background will begin in July 1958.

Seaway Development the construction program has also demanded the closest co-ordination with work being carried out by agencies of the Governments of Canada and the United States. The associated work of community planning and rehabilitation, and the relocation of highway, railway, and power transmission facilities involved have in their several ways also required skilful planning and particularly detailed programming.



ST. LAWRENCE POWER PROJECT—A new highway overpass spans the relocated section of the Canadian National Railways main line near Morrisburg. The station, top left, is one of five new railway stations built by the Commission to serve communities on the relocated line.

The generating station structure combining the two adjoining powerhouses extends from the eastern tip of Barnhart Island some 3,200 feet to the Canadian mainland and is bisected by the International Boundary. Together with the control dam across the south channel at the Long Sault it will regulate the level of the headpond, which will flood some 20,000 acres on the Canadian shore of the



ST. LAWRENCE POWER PROJECT—The new generating station began to take final shape in 1957. Looking towards the administration structure at the Canadian shore, we can see fifteen of the sixteen units in various stages of construction. Nine will be placed in service in 1958.

river extending about 40 miles up stream from the powerhouse site. Flow from Lake Ontario into the headpond will be controlled by a dam at Iroquois Point. The extent of the headpond itself will be limited by some 14 miles of dike. The improvement of river channels also is part of the combined seaway and power development program.

By the end of 1957 the powerhouse headworks had begun to assume its final shape and basic concrete for the units was well advanced. Embedded parts were in place for the first twelve turbines. Exterior work on the erection bay and administration structure had progressed sufficiently to permit the commencement of interior work. The Cornwall dike extending northwest from the powerhouse was finished during 1957. The navigation canal which passes through the concrete closure structure in the dike had been completed early in the year and was used through the 1957 navigation season.

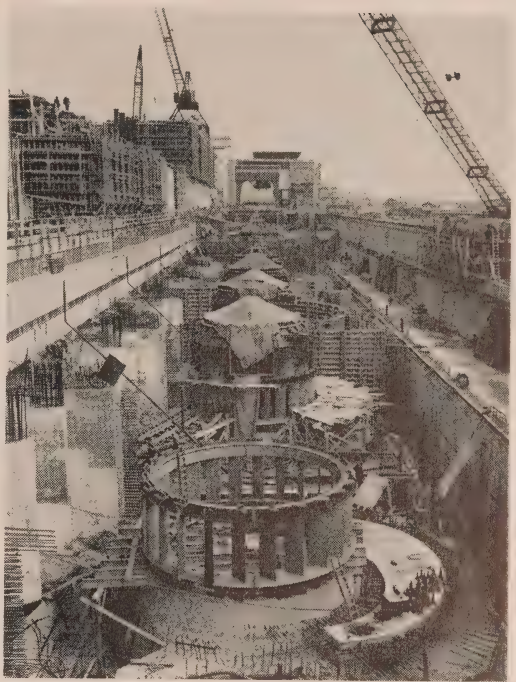
Four entirely new communities have been established at Ingleside, Iroquois, Long Sault, and Riverside, and the larger part of the business area of Morrisburg has been moved to higher ground. This work, undertaken in anticipation of the extension of the headpond in the summer of 1958, is rapidly approaching completion. It has involved the moving of well over 500 homes and the construction of 250 others. Five railway stations, four shopping centres, seven schools, four



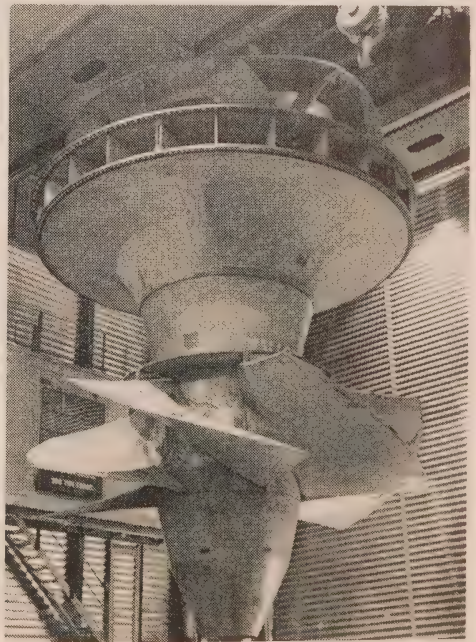
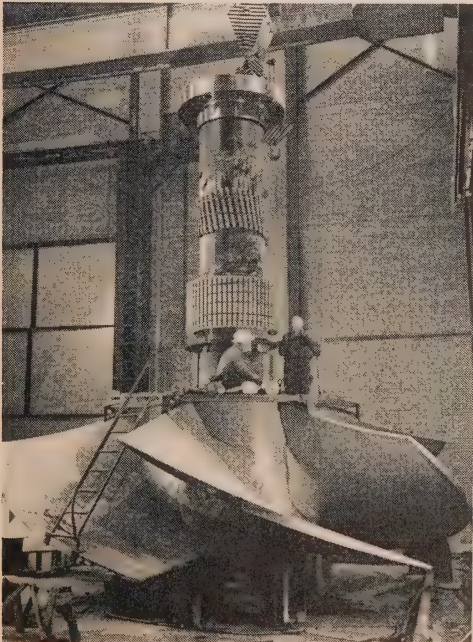
ST. LAWRENCE POWER PROJECT—This compacted earth embankment, having a maximum width of 512 feet and a maximum height of 85 feet, extends north and west of the powerhouse some $3\frac{1}{2}$ miles to contain the headpond, which will flood the area to the left. Until closure is effected, ships will pass through the dike at the concrete structure in the foreground.

churches, and multiple-housing developments involving nearly 100 units in all were completed in 1957. Work continued on nine churches, two schools, and other buildings of various kinds. The re-establishment of public facilities and the paving of roads continued as part of this relocation program. With the paving of approximately 18 miles of highway west from Cornwall the relocation of some 35 miles of Highway No. 2 was completed. The 40-mile stretch of relocated main line of the Canadian National Railways was placed in service during the year.

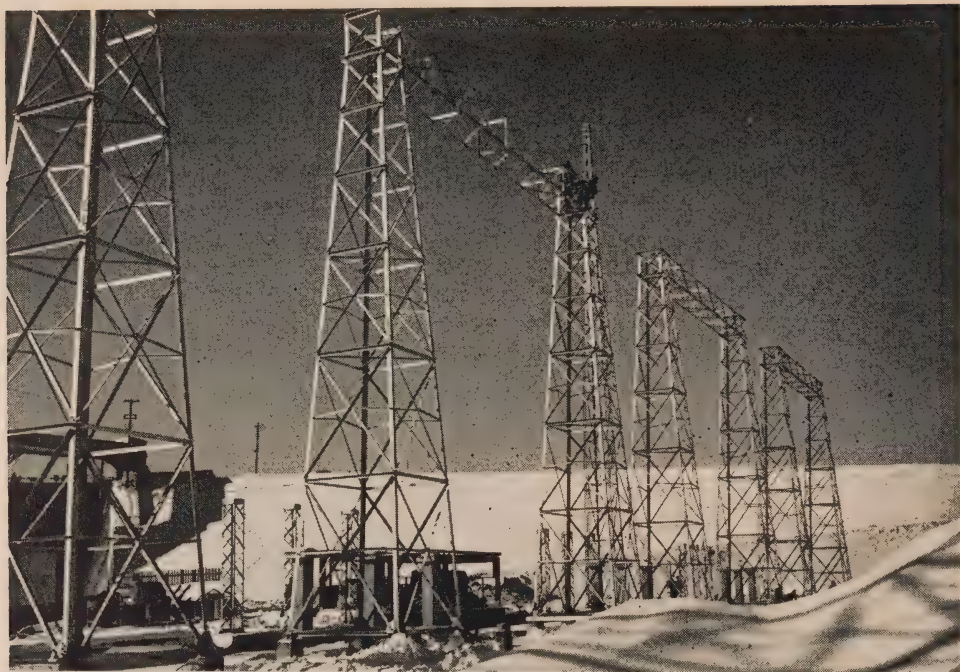
The program of river improvement was continued by the enlargement of channels in the vicinity of Chimney and Galop Islands and Iroquois Point. Similar work was also begun near Point Three Points, Morrisburg, and Cardinal.



ST. LAWRENCE POWER PROJECT — The powerhouse area looking toward the Canadian shore from unit number 15. The arms of erection cranes reach high as they manoeuvre heavy equipment into place.



ST. LAWRENCE POWER PROJECT — Two of the sixteen 75,000-horsepower, fixed-blade, propeller runners. Left, workmen strip protective material from the shaft in preparation for assembly. Right, a completed runner and head-cover assembly, 190 tons in weight, is lowered carefully into the turbine pit.



ST. LAWRENCE POWER PROJECT — Transmission lines will be strung from these 51-foot terminal structures at the north end of the powerhouse to St. Lawrence Transformer Station, 2½ miles distant.



ST. LAWRENCE POWER PROJECT — The 230-kv section of the St. Lawrence Transformer Station. Five air-blast circuit-breakers, each with a rupturing capacity of 15 million kva, were placed in service in 1957. Steel towers, right, terminate 230-kv transmission lines from the Robert H. Saunders-St. Lawrence Generating Station.

Work of corresponding magnitude has been undertaken by the Power Authority of the State of New York as its share of the combined effort. In addition to its own powerhouse, the Authority has built the Long Sault dam, the Iroquois dam, and carried out diking and rehabilitation on the United States side of the river. All of this work required careful scheduling in conjunction with the Commission's activity. It has been accomplished with the most gratifying expedition and whole-hearted co-operation. In December the Iroquois dam was transferred to the Commission's staff for operation.



ST. LAWRENCE POWER PROJECT — Thirty-two sluices, each 50 feet wide, extending across the St. Lawrence River form part of the Iroquois control dam. On either side of the dam, cranes are removing the cofferdam which enclosed the final construction stage.

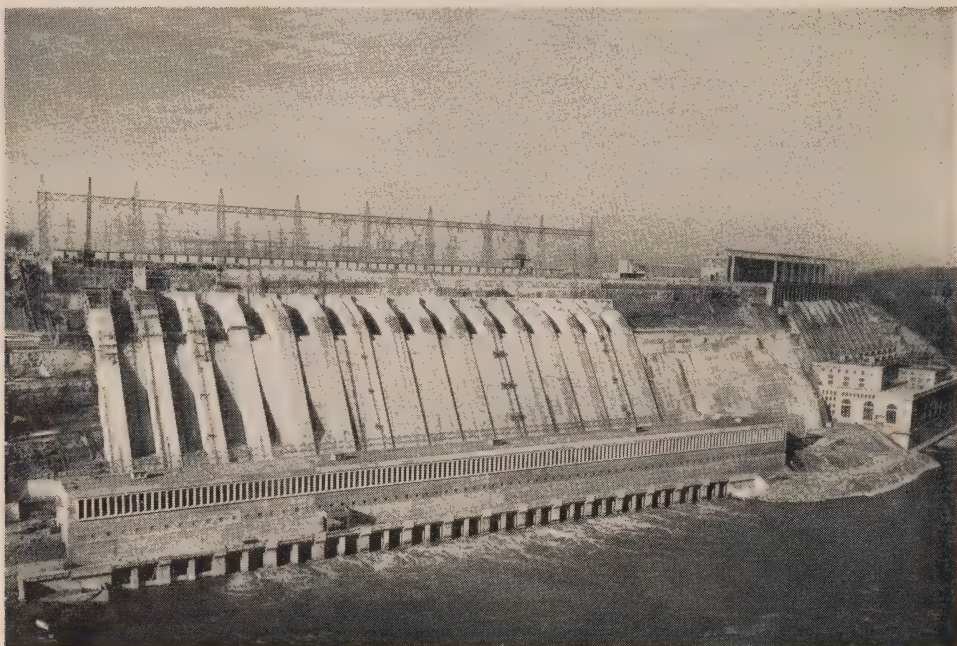
SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—NIAGARA RIVER

<i>Location</i>	—Near Queenston, 6 miles down stream from the cataract and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.
<i>Installed Capacity</i>	—1,370,000 kilowatts, 60 cycles (1,200,000 kilowatts in 16 units in the main generating station, and 170,000 kilowatts in the pumping-generating station).
<i>Rated Head</i>	—Main generating station—292 feet. Pumping-generating station turbines—80 feet.
<i>In Service</i>	—Seven main generating units in 1954, five in 1955, and two in 1957. Three pumping-generating units in 1957.
<i>In-Service Schedule</i>	—Remaining two main generating units and three pumping-generating units in 1958.
<i>Estimated Cost</i> (16 units and pumped storage)	—\$343,700,000, including generation, step-up transformation, and high-voltage switching at the site.

The most important single event of the past year was the initial operation of the pumping-generating station associated with this development. Construction progress is briefly mentioned in the following paragraphs but the pumped-storage scheme in its entirety is the subject of a special article at the conclusion of this Section.

Following the completion of the reservoir, pumping of water from the canal into storage began on June 27 and the first three units successively delivered power to the network for the first time on July 17, October 21, and December 9. By the end of the year the fourth unit was completely installed, and work on the remaining two units had reached generator level.

At the main generating station, where the headworks for 16 units had been already established, hoists for the last four headgates were installed. Concreting



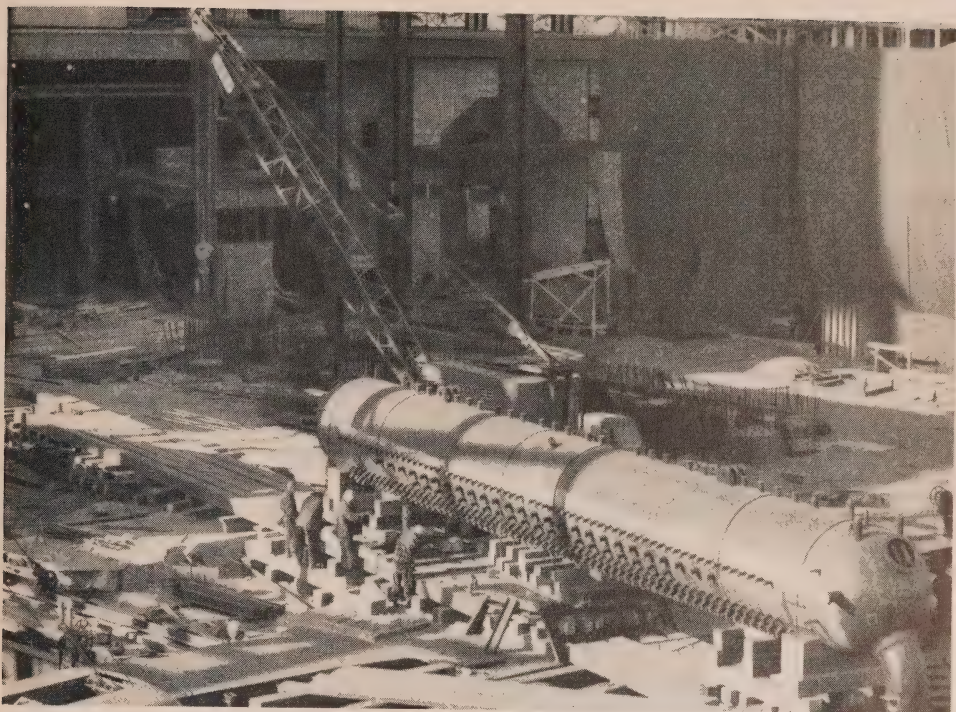
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Construction of a new generating station draws to an end. Fourteen of sixteen generating units have been placed in service. In 1958 this station, with all units in service, will contribute more power to the Commission's output than any other station.

was finished for the powerhouse structure, and in December two of the four additional units were placed in service.

Dedication ceremonies on September 28 marked the official opening of the Grass Island control dam where the last four sluices had been placed in operation some two months earlier. As part of the extensive remedial works begun in 1953 this structure is making an important contribution not only towards enhancing the beauty of the falls as required by the Niagara Diversion Treaty of 1950, but also towards achieving the most efficient use of the water made available for power purposes under the same treaty.

RICHARD L. HEARN GENERATING STATION—TORONTO

<i>Location</i>	—Eastern area of Toronto's waterfront.
<i>Installed Capacity</i>	—1,200,000 kilowatts, 60 cycles (400,000 kilowatts in 4 units, and 800,000 kilowatts in 4 units).
<i>In Service</i>	—Unit No. 1, 1951; Units No. 2 and 3, 1952; Unit No. 4, 1953.
<i>In-Service Schedule</i>	—Unit No. 5 in 1958, Unit No. 6 in 1959, and Units No. 7 and 8 tentatively in 1960.
<i>Estimated Cost</i> (4 additional units)	—\$107,640,000, including generation, step-up transformation, and high-voltage switching at the site.



RICHARD L. HEARN GENERATING STATION—A 165-ton, steam drum, 56 feet in length, is skidded closer to the turbine block for number 5 unit. From there it will be hoisted into position 140 feet above ground-level.

The piling for all four units in the present extension is now complete, and turbine blocks for two of the units are under construction. In the Unit No. 5 area, steel work for boiler-suspension and boiler-house brickwork was well advanced. Orders have been placed for the major items of equipment for all four units.

LAKEVIEW GENERATING STATION—NEAR TORONTO

Location —On Lake Ontario just west of Toronto.

Initial Installed

Capacity —600,000 kilowatts in 2 units, 60 cycles.

In-Service Schedule —Unit No. 1 in 1961 and Unit No. 2 in 1962.

Estimated Cost —\$98,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Geological investigations for the proposed site were undertaken in the early autumn and work is proceeding on station layout, engineering studies, and the preparation of specifications. The first two 300,000-kilowatt turbo-generator sets are now on order and work is scheduled to begin at the site during the summer of 1958.

NUCLEAR POWER DEMONSTRATION (Capacity 20,000 kilowatts—installed)

Construction of the 20,000-kilowatt Nuclear Power Demonstration Project was halted in April 1957 to permit the introduction of an improved reactor design. Continuing studies carried out in close collaboration with Atomic Energy of Canada Limited will enable the Commission, when feasible, to take a prominent part in carrying out the development of a large-scale nuclear power plant, thus advancing the date when nuclear power will become economic in Canada. There is good basis for the expectation that by 1965 or 1966 the Commission will be producing base-load power from nuclear resources at prices reasonably competitive with those of conventional sources.

Transformer Stations

Transformation facilities in the Southern Ontario System during 1957 were enlarged to meet new power demands from areas of concentrated industrial activity and to meet added 60-cycle requirements arising from the Commission's frequency standardization program. Extensive construction was carried out to provide the necessary facilities to carry the output of the Robert H. Saunders-St. Lawrence Generating Station.

Stations in the Toronto Area

The first stage of standardization at Leaside Transformer Station was completed with the installation of two 215,000-kva autotransformers. A third autotransformer will be installed, bringing the total capacity of 60-cycle, 230—115-kv transformation there to 645,000 kva. Leaside Transformer Station, in addition to its function as a main terminal station, will eventually supply 13.2- and 26.4-kv power to certain sections of east Metropolitan Toronto. Three 50,000-kva 230—27.6/13.2-kv transformers are being installed to supply low-voltage, 60-cycle power to adjacent suburban areas. The station will also house equipment for the supervisory control of a number of transformer stations. In west Metropolitan Toronto the capacity of A. W. Manby Transformer Station is also being increased. Plans call for the removal of all 25-cycle facilities and the replacement of five 115,000-kva autotransformers and one 75,000-kva, 25-cycle transformer bank by four 215,000-kva autotransformers. A number of transformer stations in the Toronto area will be controlled from this station. At Richview Transformer Station two 50,000-kva, 230—27.6-kv transformers were installed in 1957. Previously this station had served as a switching point only.

Increases in the 60-cycle capacities of 115-kv transformation facilities were made at many of the 115-kv transformer stations in the area. Frequency standardization of John Transformer Station was completed with the removal of all 25-cycle equipment and the installation of four 60-cycle transformers with higher ratings. Present plans also include substantial increases in capacity for other stations in Metropolitan Toronto and the construction of a new station with an ultimate capacity of 160,000 kva in the downtown section of the city.

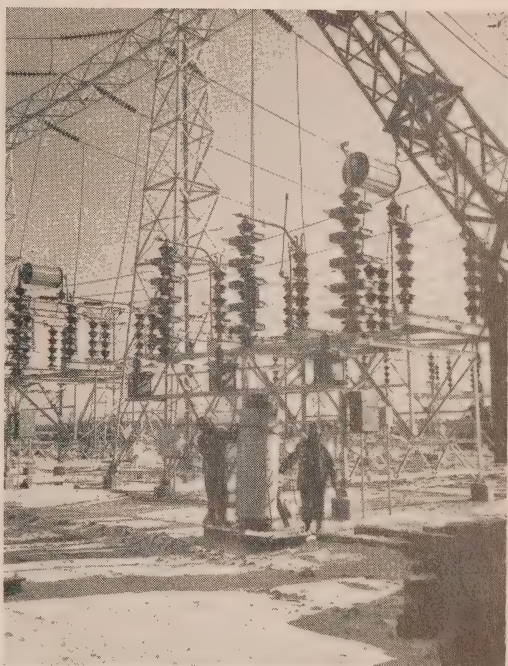
Cherrywood Switching Station is being extended to provide switching for a total of thirteen 230-kv, 60-cycle circuits. The 230-kv, 25-cycle switching at present in use at the station will be incorporated into the 60-cycle switching arrangements in the final stage of this work.

Synchronous Condenser Capacity

A 48,000-kva synchronous condenser was placed in service at Detweiler Transformer Station as part of a plan to substantially increase synchronous condenser capacity in the Southern Ontario System. The optimum effect in voltage control and system stability will result if other major installations are made in the Toronto-Hamilton area. Work is already under way at A. W. Manby Transformer Station to rebuild a 40,000-kva, 25-cycle synchronous condenser to a 60-cycle rating of 48,000 kva. A similar unit at Burlington Transformer Station will be rebuilt in the same way. Approximately 75,000 kva will be provided in the Toronto-Leaside area.

St. Lawrence Transformer Station

Three 230-kv, air-blast circuit-breakers and a second 115,000-kva, 230—115/13.2-kv autotransformer were placed in service at St. Lawrence Transformer Station. The circuit-breakers terminate lines from Quebec Hydro's Beauharnois Generating Station, the future Ottawa-Hawthorne Transformer Station, and Richview Transformer Station. The second autotransformer with its associated switching and equipment reinforces the 115-kv section of the station. The general expansion of the 230-kv, 60-cycle system in eastern Ontario was reflected also in the plan to install 230-kv switching at Ottawa-Hawthorne Transformer Station and to build a new switching station at Hinchinbrooke about 25 miles north of Kingston. Hinchinbrooke Switching Station will serve as a mid-point station in the main trunk transmission system and as a point of bulk supply for the Kingston area where a new transformer station is also planned for 115-kv supply.



ST. LAWRENCE POWER PROJECT—Erection of a 230-kv, 15,000,000-kva, air-blast circuit-breaker at St. Lawrence Transformer Station. In the background, coupling capacitors and 230-kv line disconnect switches terminate outgoing 230-kv transmission lines.

Stations in the Western, West Central, and Niagara Regions

The standardization of electrical equipment in the Western, West Central, and Niagara Regions resulted in extensive changes in transformation facilities in these regions as 60-cycle requirements increased. The 60-cycle capacity of Burlington Transformer Station was doubled when two 115,000-kva transformers were replaced by two 215,000-kva autotransformers. The new 60-cycle station at Beamsville was placed in service to supply power to customers in the area between

Hamilton and St. Catharines. Design is under way for a fourth 115,000-kva autotransformer to be installed at E. V. Buchanan Transformer Station. In the Sarnia area work is proceeding for the installation of two 56,000-kva transformers at Sarnia Transformer Station and two 50,000-kva transformers at St. Clair Transformer Station.

Transmission Lines

Major extensions of the transmission network were under construction in the Southern Ontario System, particularly in the eastern part of the Province. There the 230-kv facilities are being substantially enlarged to prepare for the placing in service of Robert H. Saunders-St. Lawrence Generating Station.

The new powerhouse will be linked with St. Lawrence Transformer Station by four 230-kv, single-circuit lines now under construction. From this station two



115-KV UNDERGROUND CABLE CIRCUITS BETWEEN
RIVERSIDE JUNCTION AND TORONTO-STRACHAN TRANSFORMER STATION

- Upper left: A jointing ferrule is used in the preparation of a stop-joint in the oil-filled cable.
- Lower left: Dielectric shielding is wound carefully round the joint.
- Upper right: Completed stop-joint awaits permanent oil piping and final wrapping with rubber bitumen covering.
- Lower right: A circuit comprising three cables, with water-carrying polyethylene pipes between, lies on sand in the bottom of a trench. Cables will be covered with 3 inches of sand and concrete blocks 4 inches thick.

230-kv lines are under construction, one a single-circuit line extending 47 miles north to Ottawa, the other a double-circuit line connecting St. Lawrence Transformer Station with the new switching station to be built at Hinchinbrooke, 102 miles to the west. Both lines will be strung on steel towers of a new Commission design. The larger part of the line to Ottawa was placed in service. Until the new generating station is producing power this section will form part of a 60-cycle circuit from Beauharnois Generating Station in Quebec. The line to Hinchinbrooke will be extended 16 miles southeast from that point by a double-circuit line to the Kingston area, and northwest from Hinchinbrooke Switching Station by some 90 miles of single transmission circuit to Ross L. Dobbin Transformer Station near Peterborough. The first steel towers have been erected for the single-circuit line to Ross L. Dobbin Transformer Station and preliminary engineering has been carried out for the double-circuit line to the Kingston area.

In Metropolitan Toronto four 115-kv underground cable circuits, each with 3 single-phase cables, were installed between Riverside Junction near the Humber River and Toronto-Strachan Transformer Station. The underground cables, which are of the oil-filled, directly buried type, replaced a four-circuit, steel-tower transmission line. Provision has been made for cooling the cables by water circulating through plastic pipe laid adjacent to the cables. The high-voltage underground cable system was expanded further when two 2,700-foot lengths of 115-kv underground cable circuits were placed in service between Toronto-Leaside Transformer Station and Todmorden Junction. About 3 miles of 115-kv, four-circuit, steel-tower transmission line with two circuits strung were placed in service between Todmorden Junction and Lumsden Junction.

In southwestern Ontario major transmission line construction took place in the Niagara and Sarnia areas. In conjunction with other additions to transmission facilities associated with Sir Adam Beck-Niagara Generating Station No. 2, preliminary engineering was carried out for the relocation of the 230-kv and 69-kv lines across the Niagara River. The rearrangement is being undertaken at the request of the Power Authority of the State of New York to facilitate the construction of a new generating station on the United States side of the river. Eight miles of 230-kv, double-circuit transmission line were built between Burlington Transformer Station and Horning Mountain Junction and the two circuits of the new line were temporarily connected in parallel with the present two circuits from Sir Adam Beck-Niagara Generating Station No. 2.

For the supply of increasing loads in the Sarnia area a new 230—115-kv transformer station is planned for Sarnia. It will be supplied from E. V. Buchanan Transformer Station some 60 miles to the east over a new 230-kv, double-circuit transmission line. Engineering and surveys were begun to provide a suitable right of way.

NORTHERN ONTARIO PROPERTIES

Progress on Power Developments

An item of particular interest in the year's activities in northern Ontario was the carrying out of the Lake St. Joseph water diversion. This lake is in the Albany River watershed. In 1935 the Commission built Rat Rapids Generating



ROOT RIVER DIVERSION

Two and one-half tons of explosive breach the height of land that separates the watersheds of the Albany and English Rivers.

Station and certain control facilities to use the normal flow which is eastward and northward to James Bay. Much greater advantage can now be derived from the water if it is diverted in part into the south watershed and used on the English River. The height of land was therefore breached and a $\frac{1}{4}$ -mile canal was constructed to connect Lake St. Joseph with the Root River flowing southwest into Lac Seul. A control dam was constructed $1\frac{3}{4}$ miles downstream from the canal and the

intervening river channel was improved. The resulting average increase in flow in the English River will amount to some 2,800 cfs, permitting four units at Manitou Falls Generating Station to be operated for base load and a fifth for peak. The capacities of other stations on the English River will be increased accordingly. The amount of water diverted will be jointly controlled by the newly constructed dam and the facilities associated with Rat Rapids Generating Station. At times of excessive flow it may be possible still to operate one unit at this station.

WHITEDOG FALLS GENERATING STATION—WINNIPEG RIVER

<i>Location</i>	—30 miles northwest of Kenora and 12 miles due east of the Manitoba boundary.
<i>Dependable Peak Capacity</i>	—54,000 kilowatts in three units, 60 cycles.
<i>Rated Head</i>	—50 feet.
<i>In-Service Schedule</i>	—1958.
<i>Estimated Cost</i>	—\$19,200,000, including generation, step-up transformation, and high-voltage switching at the site.

The main dam will span the south channel of the river at Whitedog Island just up stream from the confluence of the Winnipeg and English Rivers. The structure, some 1,150 feet in length, was completed by the end of the year. It includes the three-unit powerhouse, adjoining headworks, and nine sluiceways, two of them motor-operated. Mechanical equipment for the sluiceways was installed. Work on the turbines and generators was proceeding on schedule, the first unit to be in service in February 1958.

CARIBOU FALLS GENERATING STATION—ENGLISH RIVER

Location —41 miles northwest of Kenora and 8 miles due east of the Manitoba boundary.

Dependable Peak

Capacity —67,500 kilowatts in three units, 60 cycles.

Rated Head —58 feet.

In-Service Schedule —1958.

Estimated Cost —\$26,150,000, including generation, step-up transformation, and high-voltage switching at the site.

A 1,260-foot gravity-type dam incorporating the powerhouse is extended at one end by a 450-foot clay and earth-fill wing-dam. There will be nine sluices in the concrete part of the structure. Two of them will be motor-operated.

By the end of the year the erection bay, the earth-fill dam, and the east and west bulkheads were built. Concrete work was almost finished in the area



CARIBOU FALLS GENERATING STATION—Six of the nine sluiceways which have been built at this new power development on the English River. Each sluiceway is equipped with gates, two of them motor-operated, which will assist in regulating the level of the headpond.

of Unit No. 1 and the turbine was being installed. This unit is scheduled for service in July 1958. Embedded parts for the second unit were being installed and construction for the third unit was at scroll-case level.

The clearing of the headpond area was one of the most extensive operations of its kind ever carried out by the Commission. It was undertaken in conformity with regulations of the Provincial Department of Lands and Forests. Some 18,000 acres had been completely cleared by the end of the year. The pulpwood was piled and awaiting removal.

SILVER FALLS GENERATING STATION—KAMINISTIKWIA RIVER

Location —30 miles northwest of Fort William.

Dependable Peak

Capacity —45,500 kilowatts in one unit, 60 cycles.

Rated Head —333 feet.

In-Service Schedule—1959.

Estimated Cost —\$14,000,000, including generation, step-up transformation, and high-voltage switching at the site.

This station will use the 350-foot fall in the 4-mile stretch of the Kaministikwia River between Dog Lake and Little Dog Lake. The intake structure will be placed on the shore of Dog Lake. For some 2 miles of the intervening distance to the powerhouse, water will be conveyed by a concrete-lined hydraulic tunnel 14.5 feet in diameter. The station will be controlled by radio from Port Arthur Transformer Station. Power will be carried to the system by a 115-kv, single-circuit, steel-tower line to a point on the Port Arthur-Moose Lake transmission line about 20 miles west of Port Arthur.

It was necessary to construct 3 miles of road from Little Dog Lake to the powerhouse site and to improve some 13.5 miles of other roads providing access to the construction areas. Tunnelling was begun in October and by the end of the year it had been carried about 1,500 feet.



TUNNEL AT SILVER FALLS GENERATING STATION
This tunnel will eventually extend 10,000 feet to carry water from Dog Lake to a single-unit powerhouse at Silver Falls on the Kaministikwia River. In effect an underground penstock, it will have a finished diameter of 14.5 feet.

THUNDER BAY GENERATING STATION—FORT WILLIAM

Location —North shore of the Mission River in Fort William.

Initial Installed

Capacity —100,000 kilowatts in one unit, 60 cycles.

In-Service Schedule—1961.

Estimated Cost —\$26,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Following the completion of site surveys and geological investigation, site layout and engineering studies were begun. These relate to station and switchyard layout, the circulating-water system, and the coal-handling installation. Grading and dock construction are to begin in the spring of 1958.

Extensions to Stations in Service

MANITOU FALLS GENERATING STATION (Capacity 65,700 kilowatts in 5 units)

The station is located on the English River 20 miles down stream from Ear Falls. The headworks and draft-tube section for Unit No. 5 were concreted when Unit No. 4 was completed in 1956. The powerhouse was completed during 1957 and the turbine was installed. Progress on the hydraulic and electrical installation was sufficient to permit the in-service date of the fifth unit to be advanced by two months to mid-March 1958.

ALEXANDER GENERATING STATION (Capacity 60,900 kilowatts in 5 units)
and

CAMERON FALLS GENERATING STATION (Capacity 76,700 kilowatts in 7 units)

Both these stations on the Nipigon River are being increased in capacity. At Alexander Generating Station a 19,000-brake-horsepower unit is being installed in an extension of the present structure. Assembly of the generator was under way at the end of the year and the unit was expected to be in service by late spring 1958.

The work at Cameron Falls Generating Station included the design and construction of a seventh unit to be housed in a separate structure east of the present six-unit powerhouse. It also involved rehabilitation of the concrete wing-walls of the present station. Turbine installation was under way and the additional unit was expected to be in service by the beginning of June 1958.

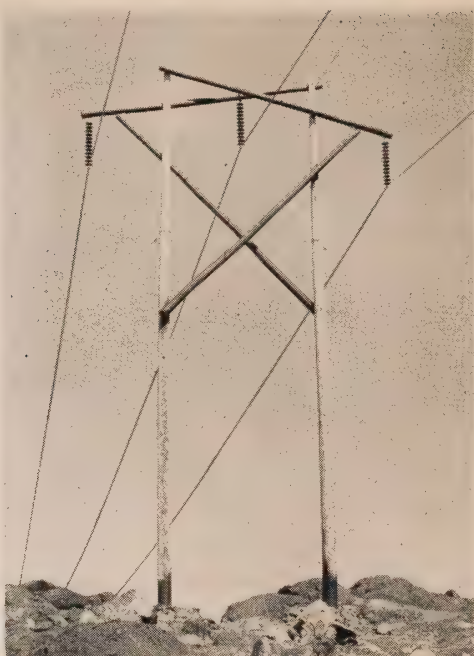
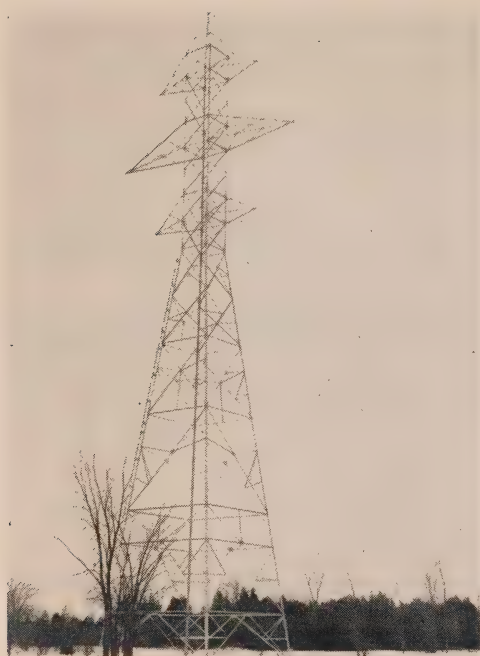
ABITIBI CANYON GENERATING STATION (Capacity 226,000 kilowatts in 5 units)

Engineering work was begun for the installation of a new 60-cycle, 48,000-kva generator and associated transformer bank at Abitibi Canyon Generating Station. The major equipment has been ordered.

Transformer Stations and Transmission Lines

Northeastern Division

Changes in transformation and transmission facilities in the Northeastern Division were made in 1957 to meet new demands for power from the Commission's mining customers and in preparation for the Commission's frequency standardization program in the northeast.



Left: A 230-kv, double-circuit, steel tower built to Commission specifications dominates the landscape in eastern Ontario. The tower is 140 feet in height with a maximum arm width of 48 feet.

Right: Spar-armed, spar-braced poles, 80 feet in height, carry a 200-mile, 230-kv transmission line across the rough ground of the Canadian Shield in northern Ontario.

Elliot Lake Transformer Station and Quirke Lake Transformer Station, both in the Blind River mining area, were placed in service early in the year. Upon completion of the work now under way each station will have a step-down capacity of 45,000 kva from 115 to 44 kv, 30,000 kvar of switched capacitors, and 10,000 kva of synchronous condensers. The 20,000-kva transformer station at Larchwood near Sudbury was placed in service. Two 115,000-kva, 230—115/13.2-kv autotransformers with associated switching facilities were added at R. H. Martindale Transformer Station to facilitate the transfer of 60-cycle power from the Southern Ontario System to areas near Blind River and Sudbury. Additional power will be supplied by 200 miles of new 230-kv line being built from Otto Holden Generating Station to Blind River Transformer Station. The 93-mile section of this line which lies between R. H. Martindale and Blind River Transformer Stations was completed in 1957 and will be operated initially at 115 kilovolts. The remainder of the line will be completed in 1958.

The standardization of 25-cycle loads in the northeast involves the installation of 29,000 kva of 60-cycle transformation at Timmins Transformer Station and the construction of about 70 miles of 115-kv line. This line includes sections between Upper Notch Generating Station and Kirkland Lake and a section from a point some 50 miles northwest of Kirkland Lake westward to Timmins. The connection to Timmins will be made at Monteith where a new switching station will be built. Construction of the line will be completed early in 1958. With the installation of a 48,000-kva, 60-cycle generator now under way at Abitibi Canyon Generating Station, one of the 115-kv, 25-cycle circuits from the station will be changed to

60-cycle operation. Voltage regulating transformers will be installed at several stations in this area to provide adequate voltage control.

Engineering assistance was provided to the Great Lakes Power Corporation for the construction of a 49-mile, 230-kv, wood-pole line between the Commission's George W. Rayner Generating Station and Sault Ste. Marie.

Northwestern Division

Early in the year one circuit of the 115-kv, double-circuit line between Kenora and White dog Falls Generating Station was placed in service, initially to provide construction power to the site of the new generating station. A second circuit was placed in service at the end of the year to permit the first to be connected to its permanent position on the 115-kv bus and to facilitate structural changes at Kenora Switching Station. A 115-kv, single-circuit line between White dog Falls and Caribou Falls was placed in operation similarly to provide power to the latter site during construction. These lines, together with transformer stations planned for Kenora and Fort Frances and 102 miles of twin-pole, 115-kv line built between these two municipalities, will be used to transmit the output of these generating stations.

Four 16,700-kva autotransformers are being installed at Fort Frances Transformer Station where switching facilities will be provided for circuits to Kenora, Moose Lake, and to stations owned by the Ontario-Minnesota Pulp and Paper Company. The single-circuit, wood-pole line from Kenora to Fort Frances was completed in November. The purchase of a 62-mile section of line east from Fort Frances will complete the loop linking Moose Lake, Dryden, Kenora, and Fort Frances.

In the Fort William area new switching arrangements and 115-kv line construction were begun in order to supply increased loads of two industrial customers there. About 3 miles of 115-kv, double-circuit line from Port Arthur-Birch Transformer Station to the switching station at Fort William will be restrung as part of this work.

Survey work was undertaken for routes for transmission lines from the site of Thunder Bay Generating Station at Fort William and from a new station under construction at Silver Falls. A 25-kv line being built between Marathon and White River is expected to be completed early in 1958.



The Commission's transmission line crews work year round in good weather and bad to bring electricity to every section of Ontario. Here, crews near Lake Timiskaming erect a 115-kv, wood-pole line in mid-winter.

PUMPING-GENERATING STATION**Associated with Sir Adam Beck-Niagara Generating Station No. 2**

For the first five years after the end of World War II the Commission, though facing a growing power shortage, was inhibited by the restrictive terms of the Boundary Waters Treaty from expanding its resources on the Niagara River. Under the treaty only a specified amount of water was available from the river for the production of power. With the signing of the Niagara Diversion Treaty of 1950 the amount of water required to flow over the falls was specified—not less than 100,000 cfs during daylight hours of the tourist season nor less than 50,000 cfs at any other time. The amount available for power was thus permitted to vary with the total flow. It now became possible, without loss to the scenic beauty of the falls, to divert substantially larger quantities of water for power and the Commission began at once the construction of Sir Adam Beck-Niagara Generating Station No. 2. Five years later the combined dependable capacity of the two Sir Adam Beck stations was four times that of the original station in 1950.

When the twelfth unit was installed at the second station the Commission had again reached the maximum installation which the permissive diversion could sustain under conditions of natural flow. For a good part of the year, the larger quantity of water under these conditions is available during night hours when loads are light. In the absence of natural storage facilities, consideration was



PUMPING-GENERATING STATION—The powerhouse and part of the reservoir dike for the pumping-generating station associated with Sir Adam Beck-Niagara Generating Station No. 2. Sixteen thousand acre-feet of water can be stored behind the 4½-mile dike.

therefore given to a pumped-storage scheme which would permit the transfer of energy represented by this water to the daylight hours. A reservoir was established just to the north of the main generating stations where the land is some 300 feet above the river-level. The 6-unit pumping-generating station now approaching completion will use surplus night-time energy to pump water into the reservoir some 80 feet above the canal leading to Sir Adam Beck-Niagara Generating Station No. 2. The water returning to the canal will operate the units as generators to supply daytime loads and will also contribute materially to increased production through the main generating stations.

Water Storage

The 750-acre reservoir provides storage for about 16,000 acre-feet of usable water based on a 25-foot variation in water-level from a maximum of 625 to a minimum of 600 feet. The enclosing dike is basically a rock-filled embankment supporting an impervious clay core. Migration of clay particles from the clay core into the rock fill is prevented by a filter layer of graded material, and the upper surface is protected from erosion by a similar filter layer covered with riprap. Since the floor of the reservoir varies in elevation from a minimum of 570 feet to a maximum of 615 feet, slightly less than half the area is under water at low-water level.

Headworks

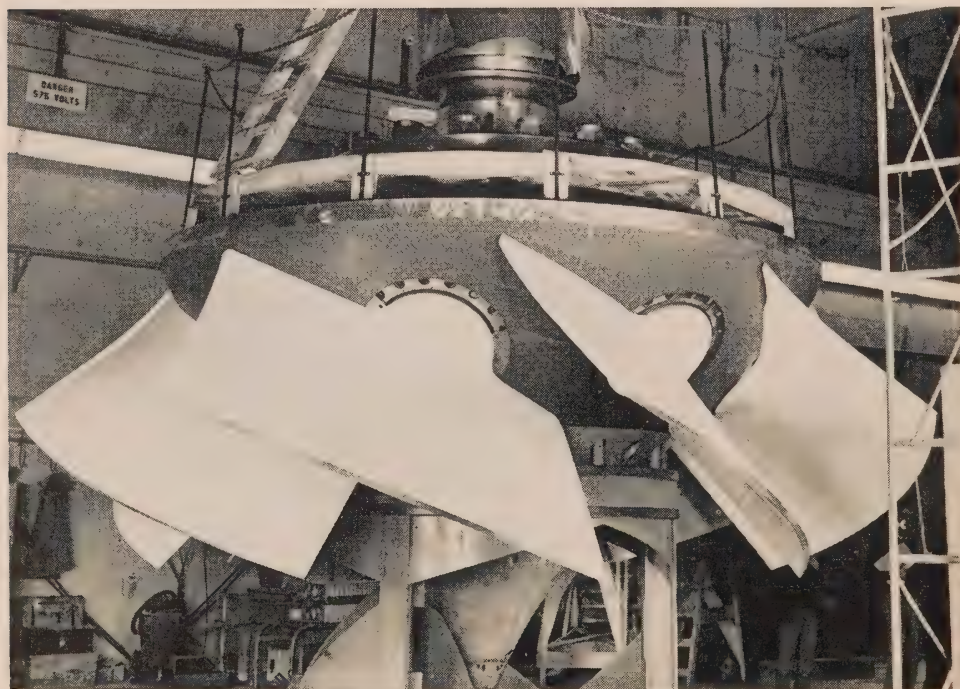
The concrete headworks provides six intakes, each divided by an intermediate pier and equipped with two headgates operated by electric fixed hoists. Service is provided by a 50-ton electrically operated gantry-crane on rails that run the length of the headworks deck.

Powerhouse

The six reversible pump-turbines will be driven by 55,000-horsepower synchronous motors which, at maximum efficiency, have a rated discharge capacity of 4,590 cfs at a pumping head of 75 feet. They will be capable of filling the reservoir in about 8 hours. When operated to generate power, each will have a capacity of 47,500 brake horsepower at maximum turbine discharge of 5,700 cfs and net head of 85 feet.

The diagonal-flow runners have adjustable blades, the angle being automatically adjusted by an oil-operated mechanism. In the closed position the blades overlap, effectively shutting off all flow. With the blades closed, the unit can be brought conveniently to pumping speed. As the blades are gradually opened, pumping is begun without the attendant instability commonly encountered in conventional pump-turbines.

A major economy in construction cost was achieved by the omission of the customary powerhouse superstructure. The generators are protected at deck-level by split hatch-covers moving on horizontal rails extending the length of the powerhouse. The units are serviced by a 175-ton, housed-in, electric gantry-crane which becomes in effect a movable superstructure section with overhead hoisting facilities. A 30-ton, gasoline-driven, mobile crane provides lifting service for the



PUMPING-GENERATING STATION HYDRAULIC EQUIPMENT—One of the impeller-runners for the six mixed-flow, variable-pitch, reversible pump-turbines at the pumping-generating station, shown in the open and closed positions. Above, with the blades closed, the runner will act as a seal. Below, with the blades open, each unit will have a capacity of 47,500 brake horsepower at maximum discharge and net head of 85 feet.

tailrace. It will be used also at the main Sir Adam Beck-Niagara Generating Stations and the Grass Island control dam as well as for general maintenance in the Niagara Region.

The six 3-phase, 60-cycle motor-generators are totally enclosed and water-cooled. As motors, operated at 13,350 volts, they will each develop 55,000 horsepower; as generators, they will each have a rated capacity of 31,000 kva at 0.95 power factor. The combination thrust-guide bearing mounted under the rotor spider is pressure lubricated at low speeds to minimize friction.

Each of the units is protected by a single air-blast circuit-breaker, and a bank of three single-phase, 38,000-kva, 13.5—237-kv, forced-air-cooled transformers is connected delta-wye to each group of three motor-generators. A 230-kv, double-circuit transmission line connects the station with the switchyard of Sir Adam Beck-Niagara Generating Station No. 2.

NIAGARA RIVER REMEDIAL WORKS

In the 36 miles from its point of origin at the eastern end of Lake Erie to its outlet on Lake Ontario, the Niagara River has a 326-foot drop in elevation. Nearly half of this is concentrated at the spectacular falls. If the waters of the river were permitted to flow untrammelled by the devices of man, some 200,000 cfs on the average of surplus water from the extensive reservoir of the upper Great Lakes would thunder over the cataract. The evidence of history is that the centre of the Canadian horseshoe falls, continuously eroded by a heavy concentration of water, would recede at a rate of approximately 4 feet per annum. Flow over the remainder of the horseshoe crestline and over the falls on the United States side would continue to decline. The effect would be most detrimental to the present beauty of the falls.

Flow has, of course, not been unrestricted since diversions of water have been necessary for sanitation, navigation, and power. These diversions have had an incidental but beneficial effect in retarding the erosion process. The resulting lowering of levels in the upstream Chippawa-Grass Island pool, however, in conjunction with the natural concentration of flow at the centre of the falls, has tended to reduce still further the flow over the American falls and on occasion to leave the flanks of the horseshoe falls almost dry. The need, therefore, for a definitive plan that would both preserve and enhance the beauty of the falls and at the same time permit the optimum use of water for power and other purposes has been a matter of international concern for many years.

The first steps towards implementing such a plan were taken when the Governments of Canada and the United States, under the terms of the Niagara Diversion Treaty of 1950, requested the International Joint Commission to make recommendations for remedial works in the river. These works were to be designed to distribute the river-flow more evenly so that an unbroken curtain of water would extend over the entire crestline of the falls. The new treaty also revised terms under which water may be diverted for power purposes up stream from the falls. It was necessary, therefore, to provide compensation in some form for the effects which these revisions would have on water-levels in the upstream areas.



GRASS ISLAND CONTROL DAM — The dam enters its final stage of construction as the last three gates are installed. Thirteen of these gates, each hinged at the lower edge, now control the level of water in the Chippawa-Grass Island pool up stream from the dam.

At one time diversions for power were limited to 56,000 cfs. Under the pressure of increasing power demands during the 1940's they were increased to 89,000 cfs. Under the terms prescribed by the treaty of 1950 permissible diversion will vary with the flow in the river after specified allowances have been made for the scenic requirement of the falls. This requirement is that flow at no time shall be less than 50,000 cfs. During daylight hours of the period April 1 to October 31 flow must not be less than 100,000 cfs.

It was necessary for the analysis of problems involved in constructing the remedial works, first to obtain detailed information on the physical and hydraulic conditions in the cascades and at the crest of the falls. For certain otherwise inaccessible areas this information was derived by unusual survey methods using helicopters, kytoons, and searchlights. It was then incorporated in hydraulic models of the river, one at the Commission's A. W. Manby Service Centre and the other built by the Corps of Engineers, United States Army at the Waterways Experiment Station, Vicksburg, Mississippi. The specifications for the remedial works were based on exhaustive studies of flow conditions disclosed by the models.

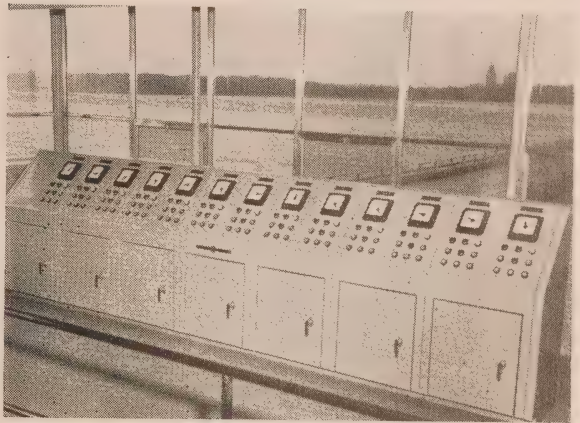
The recommendation was for excavation in certain areas and fill at the extremes on both the Canadian and the Goat Island flanks of the horseshoe falls, and for the building of a structure to control the level in the Chippawa-Grass Island pool. The work of excavation and fill was to achieve the objective of redistributing flow over the entire crest of the falls. The control structure

would be designed to permit rapid changes in flow at the hours specified under the Niagara Diversion Treaty and still maintain acceptable levels in the upstream pool. This end could best be achieved by a gated dam 1,550 feet in length extending roughly at right angles from the Canadian shore. It has been constructed at a point about 200 feet down stream from the submerged weir constructed in earlier years for the purpose of adjusting the river-flow.

The work involved was entrusted to the combined effort of The Hydro-Electric Power Commission of Ontario and the Corps of Engineers, United States Army with the understanding that work in Canada would be carried out by the Commission and work in the United States by the Corps of Engineers. Costs were to be shared equally by Canada and the United States. Following approval of the International Joint Commission's recommendations, actual construction work was begun in

1953. The work of excavation and fill was finished in 1955. The control dam, designed by the Commission with the full co-operation of the United States construction agency, was built by the Commission's staff. It was begun in 1953 and completed in 1957. It was dedicated on September 28 by Hon. Alvin Hamilton, Minister of Northern Affairs and National Resources for Canada, and by Hon. Wilber B. Bruckner, Secretary of the United States Army. Administration and maintenance will be subject to an International

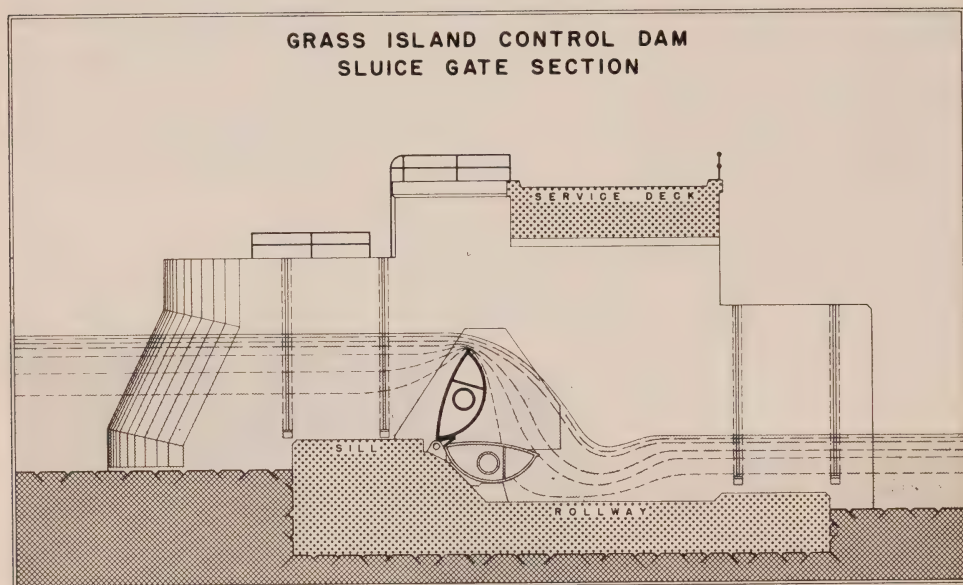
Niagara Board of Control appointed by the International Joint Commission.



GRASS ISLAND CONTROL DAM—The operator, with a full view of the dam, regulates the movement of the gates from a central control structure. The panel shown indicates the position of each gate. Gates may be operated also from stations located in the piers.

The Grass Island control dam is 1,550 feet long and has 13 gated sluiceways, each 100 feet wide. The piers that form the sluiceways are 14 feet in width at the water-level and extend 91 feet along the axis of stream-flow. They are cantilevered laterally 14 feet on each side over the sills to a total width of 42 feet to form part of the service deck. The service deck spanning between cantilevers is a concrete girder and slab structure. Each span has six prestressed, precast girders with concrete diaphragms poured in place, and surfaced with roadway slab. Girders, diaphragms, and slab were then prestressed laterally to ensure proper load distribution. The piers are designed to withstand an ice thrust of 560,000 pounds; the service deck to carry a 70-ton crawler crane, or support the loads from a 45-ton crane working in any position.

Each sluiceway is equipped with a submersible overflow-type gate 10 feet 6 inches high and elliptical in vertical cross-section. Essentially, the gate is a structural steel frame covered with a stressed skin plate. Hinges at the lower edge permit the gate to swing through an arc of 70 degrees from a horizontal to an almost vertical position. Any intermediate position can be maintained by the operating mechanism actuated by hydraulic servomotors located in the piers adjacent to each gate.



Sketch of a gate of the Grass Island control dam shown in the open and closed positions. Each gate is 10.6 feet in height and has a maximum thickness of 4.5 feet. The gates turn on specially designed hinges spaced 5 feet apart along their bottom edge. They can be rotated through a 70° arc or held in any intermediate position.

The gates are designed to withstand a maximum hydrostatic head of 12 feet 6 inches, and an ice thrust of 500,000 pounds along any 10-foot length of the top of the gate. If loads should exceed the safe limit, an automatic release mechanism will permit the gate to swing freely to the horizontal position, thus relieving pressure by providing unobstructed passage through the sluiceway.

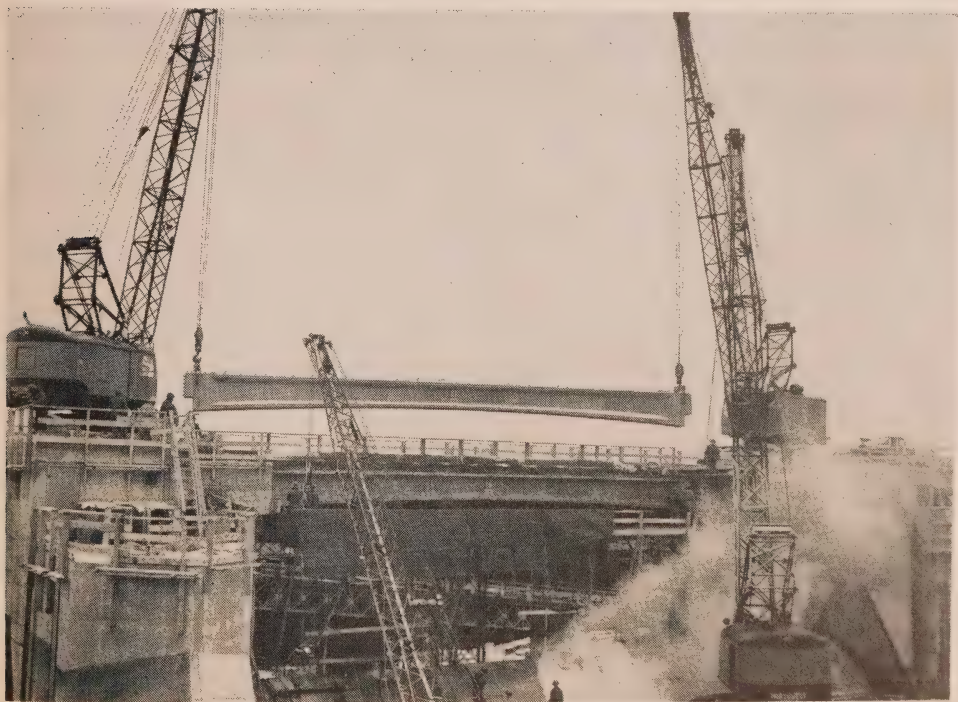
Model tests by the manufacturer showed that water flowing over the gate in an unbroken curtain produced a partial vacuum immediately down stream, behind the gate. This affected the discharge capacity and increased the force required to operate the gate. This difficulty was eliminated by introducing air behind the gates by means of flow splitters on the crests of the gates and by using 20-inch breather pipes embedded in the piers and extending above water-level. The formation of ice is prevented by a 110-kilowatt, automatically controlled, central heating system that circulates hot oil in pipes to seal plates, seals, and hinges. The system is automatically controlled in accordance with outside air temperatures.

A gate is rotated on its hinges by trunnions passing into the adjacent piers and connected to driving levers within them. Each gate is operated by its own hydraulic system of pistons and cylinders from operating chambers also located in the piers. It is raised by pressure supplied by oil pumped from a sump tank through a pipe connected to the hydraulic cylinders, and lowered by the release of oil to the sump tank. A 40-horsepower motor operates the main pump.

Construction of the dam required extensive cofferdamming. This was carefully scheduled so that stages in the extension of the cofferdam coincided with periods of increased water diversion at intakes up stream as additional units were put in service at Sir Adam Beck-Niagara Generating Station No. 2. This station was also under construction at the time. The river up stream was thus kept at a safe level throughout construction.

Studies based on hydraulic model tests indicated that construction could be most satisfactorily and economically accomplished in six stages. At the location selected the river-bottom was reasonably level. It was, therefore, possible to design a cofferdam that could be dismantled and used again for successive stages. This proved most satisfactory despite fast and turbulent river-flows.

The first-stage cofferdam enclosed the shore abutment and two piers. While construction for the first two gates proceeded within this area, the cofferdam for the second stage of two gates was erected. Upon the completion of the first two gates they were placed in service, the cofferdam enclosing them being dismantled



GRASS ISLAND CONTROL DAM — A 73-foot, prestressed concrete girder is lowered into position in the deck structure. Cantilevers projecting about 14 feet from each pier will support six of these girders. The girders will carry a concrete deck capable of supporting a 70-ton crane with a 75 per cent tipping load.

and erected again for the third stage. Work on each successive stage was carried out in a similar manner.

The shore abutments of the cofferdam were conventional rock-filled sections. A steel starter frame was attached to the out-stream crib and equipped with guides for the first interlocking steel frame. The cofferdam was then completed by driving H-piles through each frame to a firm base in the limestone rock of the river, loading the frame with concrete blocks, and, finally, driving sheet piling along the outside edge.

The frames were held cantilevered in place while the H-piles were being driven; then the frames were welded to the sides of the piles. Capsill beams welded to the tops of the piles provided supports for the concrete blocks. Thirty-six 6-ton concrete blocks were loaded on to the capsill beams of each 10-foot steel cofferdam section. The concrete blocks assisted in stabilizing the structure and provided a service road for the transport of construction materials.

Earth fill along the toe of the cofferdam made a watertight seal. Each cofferdammed area was pumped dry in a day and leakage was handled by a comparatively small pump. After an area was dewatered, steel struts were welded to the upstream leg of the cofferdam to stabilize the structure against extreme ice pressures.

For the purpose of future maintenance to the structure an arrangement of four top-loaded cribs resting on the upstream and downstream sills has been designed to span the 100-foot openings. Five gates approximately 20 feet in width fit into guides in the cribs to effect a closure.

The remedial works fulfil a need long felt on both sides of the International Border. They were completed in a most gratifying atmosphere of mutual co-operation between the Commission and the Corps of Engineers, United States Army. The Grass Island control dam stands as a further tangible expression of the cordial relations existing between Canada and the United States.

SECTION VI

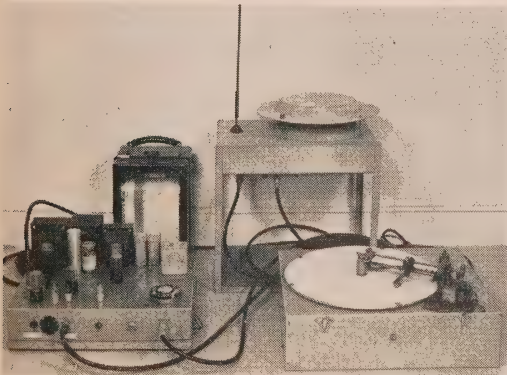
RESEARCH AND TESTING ACTIVITIES

THE Commission's research teams are continuously seeking methods by which operations can be facilitated and service improved. They are engaged also in the detailed analysis of the performance of materials and equipment to ensure that the maximum value is obtained from the Commission's purchase dollar. The benefits of their work are to be found in economies achieved through a wide range of activities.

OPERATIONS TECHNIQUES

Power Transmission

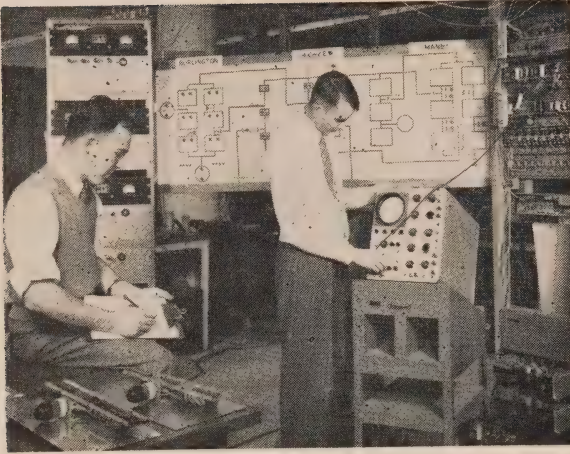
A recently developed and relatively inexpensive method of cooling directly buried high-voltage cables gives promise of achieving large savings in the capital outlay required for underground transmission facilities. The necessary piping for the first application of the method was installed with the laying of 3½ miles of 4-circuit, 115-kv cable along the new Expressway in Toronto.



A lightning-stroke component counter provides data on certain characteristics of lightning as well as recording the number of strokes.

Studies with respect to extra-high-voltage transmission lines give promise that economies in design may be achieved and that these lines will meet performance requirements without causing unacceptable radio interference. Insulating methods for 115-kv lines were improved in a manner that will permit these lines

to be operated at 250 kv, thus avoiding the necessity to construct new lines.



An experimental arrangement of a remote annunciator that will automatically indicate the position of each circuit-breaker in the Commission's 230-kv network. Engineers check part of a receiver assembly.

The new equipment will facilitate design, acceptance testing, and maintenance of major electrical items.

Electrical Insulation

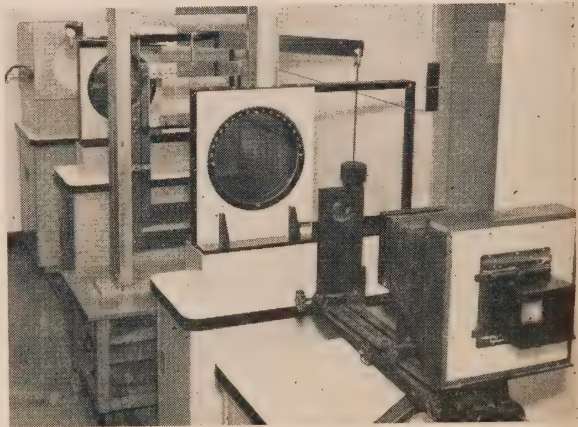
Equipment has been developed for obtaining more complete information on the characteristics and service condition of insulation on large rotating machines and metal-clad switchgear. One item simulates both the mechanical and thermal conditions under which stator coils function, others locate and delineate areas in 13.8-kv rotating machines and switchgear where ionization is occurring in voids in the insulation. Premature deterioration following such ionization reduces the ability of insulation to withstand lightning and switching surges.

Communications for System Operation

With the increasing extent and complexity of the system, operating decisions are more and more dependent on the prompt availability of accurate information. Important progress was made in methods for recording, transmitting, and displaying essential information.

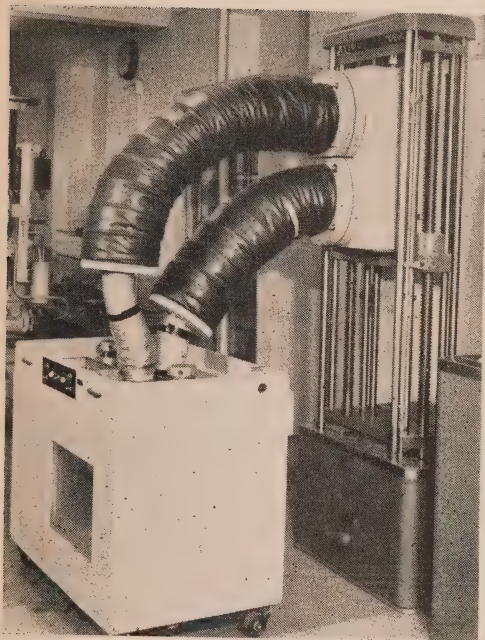
Inventory Management

The application of scientific and mathematical principles to purchasing has resulted in improved control of inventories of standard items in central and regional stores. The timing of purchases and the quantities involved have been revised on the basis of an analysis of the significant time and cost elements in purchase procedures. The result is that adequate reserves of equipment can be maintained while the total cost of purchasing and holding the equipment inventory is substantially reduced.



Stress analysis using a polariscope. Passage of polarized light through the stressed plastic model produces an optical pattern indicating stress distribution.

DESIGN AND CONSTRUCTION PROBLEMS



The flexibility of a plastic water-stop is tested at
—40° Fahrenheit.

Concrete Durability

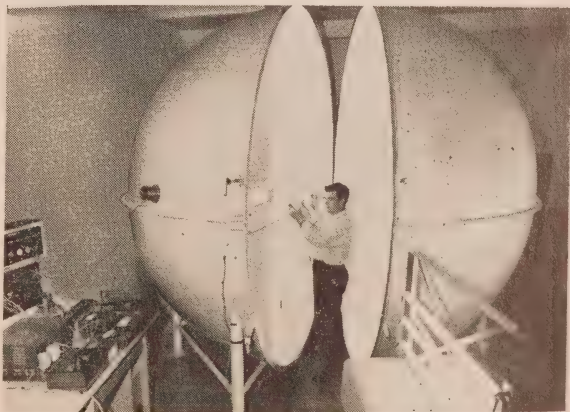
A long-term program of outdoor testing of specimens of concrete available to the Commission was initiated at the A. W. Manby Service Centre. Laboratory test data alone appear to be inadequate as a basis for estimating comparative durability of different concretes, and the results of outdoor tests of concrete by other organizations may have only limited application to the concrete used by Ontario Hydro or the weather to which it may be exposed.

Design Analysis

Problems of design for the Nuclear Power Demonstration plant demand a detailed knowledge of stresses, moments, and forces caused by restrained thermal expansion of the main steam-pipe. Flexibility analysis for such a pipe system is extremely complex. Following initial theoretical studies

and exploration of the possibility of obtaining useful information from model pipe systems using established stress-analysis methods, an advanced method

of theoretical flexibility analysis was successfully applied to the design of the Nuclear Power Demonstration main steam-pipe. A scale-in-length model of the pipe was constructed. With the model distorted to simulate restrained thermal expansion, the strains at carefully selected points were measured. From these values the stresses, moments, and forces expected in the prototype piping system were calculated. The same advanced method of theoretical analysis was applied to the preliminary design of the main steam-pipe for Lakeview Generating Station.



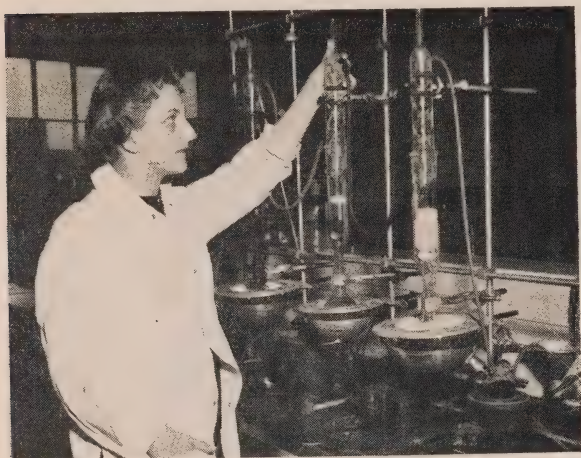
The light output and electrical characteristics of lamps are determined by means of this 114-inch sphere photometer. A technician places a 40-watt, 48-inch, fluorescent lamp in the sphere for testing.

Stress measurements on the headgates installed at the pumping-generating station at Sir Adam Beck-Niagara Generating Station No. 2 verified their adequacy and the suitability of the design, which is relatively new. The theoretical analysis based on the detailed factual information obtained will provide a basis for assessing the design of similar gates in the future.

METHODS AND EQUIPMENT FOR TESTING

An instrumentation system was developed for recording the torsional vibrations that occur in the shafts of large rotating machines, electric generators for example. Theoretical calculations regarding the generators being installed at Robert H. Saunders-St. Lawrence Generating Station indicated the possibility of detrimental

vibration in a unit if a turbine gate became blocked while the unit was operating. It was essential to devise some means of obtaining test data to check these theoretical results. The new equipment developed was used with satisfactory results on a generator in operation. It confirmed the adequacy of the method used for determining the torsional vibration characteristics of rotating machines.



Extraction of hydrocarbons during tests to determine the amount of inert inorganic filler in roofing material

The optimum design of an earth dam for impounding water is dependent on the accurate determination of the

shear strengths of the soils used. Since air and water pressures within the soil structure complicate this calculation, these pressures must be accurately measured and taken into account. Laboratory equipment for the measurement of pore-water pressures has been modified with resulting improvement in accuracy of measurement.

The testing of materials and equipment for value and performance is widely applied in the fields of general physics, chemistry, metallurgy, mineralogy, as well as in other areas related to varied problems in utility operation.

SECTION VII

STAFF RELATIONS

AS certain major projects approach completion the Commission is fortunate in being able to meet new requirements of engineering, technical, and clerical staff by drawing on the skill and experience of those whose work on these projects is coming to a close. This situation, combined with the current easing of the recent general shortage of technical personnel, has greatly facilitated the recruiting program. As the pace of the work in thermal-electric generation accelerates, there will be an increasing need for engineers and draftsmen with experience in thermal engineering. There has already been a notable increase in the proportion of mechanical engineers in the total engaged.

Manpower Planning and Development

The large majority of the graduate engineers who entered the Commission's Junior Engineers Training Course in 1957 were recruited from Canadian universities. A two-year job-rotation scheme affords these young men an excellent opportunity to broaden their experience and to find interesting areas of work in the Hydro organization. Steady and encouraging progress is also being achieved in other aspects of the personnel development program. For example, nearly 1,000 persons every year receive instruction at the Commission's Niagara Falls Conference and Development Centre either in the techniques of supervision or in training courses designed to improve performance.



Student welders in the Commission's employ watch intently as their instructor skilfully welds two lengths of pipe.

About 470 employees were registered for training courses either by correspondence or by attendance at universities, trade institutions, conferences, or



An instructor demonstrates basic electrical principles to a group of students at the Commission's Conference and Development Centre.

seminars. Under the development program financial assistance is given to those who satisfactorily complete approved courses of study.

Employee Suggestion Plan

The objectives of the employee suggestion plan instituted during the year are being achieved in a most gratifying way through the enthusiastic participation of the staff. More than 500 suggestions have been received since the plan's inception. Many of these suggestions have been adopted with demonstrable savings to the Commission,

and appropriate awards have been made to the enterprising employees who proposed them.

Data Processing

Plans for the introduction early in 1958 of a Univac II electronic computer have involved an extensive program of specialized training of employees selected for work in data processing. Training will be continued over the period of the next five years during which the changeover to full-scale operation of integrated data processing will be completed. In this way problems of staff adjustment will be reduced to a minimum. Through a liaison committee made up of representatives of the Employees Union and the divisions most likely to be affected, efforts are being directed towards making the transition as smooth as possible.

The electronic computer with its high speed and accuracy in calculation is only the most striking feature in an extensive system of data processing that will extend into the nine regions and the rural operating areas. The system is designed to handle large volumes of coded and numerical information in three broad functional areas. These areas are related to customers, manpower, and materials. It will also contribute to the preparation of a multiplicity of statistical reports derived from this information and required for administrative purposes.

During 1957 some 50 employees received training in systems and procedures, organization, work simplification, programming, and other aspects of the preparation and development of the data processing scheme. Between four and five hundred others were given a very brief familiarization course explanatory of the new techniques involved. The operation of the new equipment is expected to achieve a considerable reduction in clerical cost and to make information more easily and concisely available to all management levels.

Collective Relations

A decision of the Ontario Labour Relations Board confirmed that the Ontario Hydro Employees Union in affiliation with the National Union of Public Service Employees retained the bargaining status of the former Employees' Association. During 1957, as in the past, other groups of the Commission's employees were represented severally by the following organizations—the Society of Ontario Hydro Professional Engineers, the Allied Construction Council, and two locals of the International Union of Operating Engineers.

Accident Prevention

In most divisions, particularly where labour turnover is low, it has been possible to achieve notable improvement in accident prevention. In regional operations, for example, there has been a steady decline in accident frequency over the past five years from 28 per million man-hours in 1952 to 9 per million in 1957. One crew completed over 600,000 man-hours of accident-free work in 1957. Despite these exemplary achievements, the accident frequency for operations as a whole remained substantially unchanged from last year. Commission drivers have participated enthusiastically in competitions designed to promote safe, courteous, and efficient driving. The result has been a greatly increased safety consciousness among employee drivers.



Familiarization course in integrated data processing. The new electronic techniques involved were outlined to some 500 of the Commission's employees in 1957.

Model kits have been developed for the purpose of demonstrating common types of electric shock accidents. One illustrates those that may occur through contact with overhead conductors, another is an aid in instructing station operating staffs regarding shock hazards in switching operations.

Royal Canadian Humane Association Awards were given to Mr. Mark Cox and Mr. A. Foley for the rescue of persons from drowning, and National Safety Council President's awards were presented to Messrs. G. O. Belfry, D. McCauley, and R. H. Childs for the resuscitation of persons rescued from drowning. Messrs. J. C. Boudreau, W. J. Crawford, N. McDonald, and W. Ashton were given Canadian Electrical Association awards for the successful resuscitation of victims of electric shock.

Medical Services

The hospitals at Cornwall and Whitedog Falls have continued to provide essential hospital care to staff on the large developments at the St. Lawrence Power

Project, Whitedog Falls, and Caribou Falls. Their busy schedules during the year are indicative of the valuable contribution these facilities make to the communities they serve. Smaller projects are provided with first-aid services and one, because of its isolation, has a physician on a part-time basis. Regular training in the essentials of first aid is given both in the regions and at Head Office. The Commission's first-aid facilities at Niagara Falls will be closed early in 1958 as the work there approaches completion.

Periodic health examinations are continuing with evident benefit both to the Commission and to the staff.

Employment Statistics

The number of persons in the Commission's employ reached a maximum of 21,163 in July, reflecting substantial increases in the number of construction workers. The total staff over the twelve months on the average was 19,597, of whom 14,172 were regular and 5,425 were temporary employees.

SECTION VIII

MUNICIPAL ELECTRICAL SERVICE

THE table on page 94 provides statistical information regarding the supply of electricity to ultimate customers served by the municipal utilities and the Commission-owned local distribution systems. In December 1957 a total of 1,220,232 customers were supplied by the 351 utilities and the 28 local systems. This is an increase of 3.3 per cent over the number served in 1956. The relative changes in the three classes individually are affected by reclassifications that are being made. Certain power service customers have been transferred to commercial service, and a number of commercial service customers with connected loads of less than 5 kilowatts have been transferred to domestic service.

The trend in total energy consumption and average cost per kilowatt-hour during the past 15-year period is presented in graph form on page 95. The rates of increase in consumption for all classes, while somewhat below those registered in 1956, were 9.0 per cent for commercial service, 7.3 per cent for domestic service, and 4.4 per cent for power service. Average consumption per customer, following the reclassifications already referred to, was up for all classes and indicated better than average growth for commercial and power services. The average cost per kilowatt-hour was unchanged for domestic and power service and showed a slight decline for commercial service.

MUNICIPAL ELECTRICAL UTILITIES

The financial information given in the statements included in this section is prepared from books of account kept by the utilities in accordance with a standard accounting system designed by the Commission for use by utilities in all municipalities that have contracted with the Commission for a supply of power.

The books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods used. In many of the smaller municipalities much of the accounting for the utilities is undertaken by the municipal accountants of the Commission. Such supervision ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures, but does not constitute an audit of the accounts.

Municipal Electrical Utilities and Local Systems
CUSTOMERS, REVENUE, AND CONSUMPTION
1943 to 1957

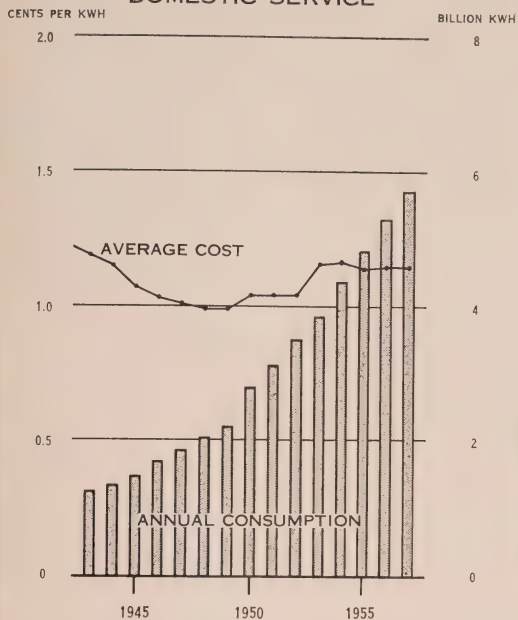
Service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	¢
Domestic.....	1943	15,069,547	1,266,930,625	570,470	185	1.19
	1944	15,528,445	1,348,099,019	579,890	194	1.15
	1945	16,053,818	1,494,258,124	608,905	205	1.07
	1946	17,526,854	1,704,125,246	628,118	226	1.03
	1947	18,937,674	1,870,974,898	648,282	240	1.01
	1948	20,295,932	2,032,922,876	671,914	252	1.00
	1949	21,947,915	2,224,473,480	706,294	262	0.99
	1950	29,064,176	2,805,149,825	767,286	304	1.04
	1951	32,905,664	3,165,537,195	800,033	330	1.04
	1952	36,811,115	3,526,507,079	836,802	351	1.04
	1953	44,647,668	3,863,977,405	877,323	367	1.16
	1954	50,833,346	4,395,521,145	930,674	394	1.16
	1955	55,241,247	4,836,433,016	970,829	415	1.14
	1956	61,234,494	5,310,916,819	1,031,482	429	1.15
	1957	65,842,103	5,700,736,923	1,072,868	443	1.15
Commercial.....	1943	6,787,241	472,129,977	76,194	516	1.44
	1944	7,298,848	524,905,356	78,256	559	1.39
	1945	8,429,573	634,878,480	84,413	627	1.33
	1946	9,364,009	725,475,237	89,109	679	1.29
	1947	10,277,574	797,642,711	91,926	723	1.29
	1948	10,182,051	769,650,340	95,239	673	1.32
	1949	10,890,639	819,475,244	98,682	692	1.33
	1950	15,231,494	1,080,316,296	107,817	832	1.41
	1951	17,549,402	1,254,339,597	111,154	940	1.40
	1952	19,502,920	1,394,152,087	115,304	1,008	1.40
	1953	23,603,194	1,532,991,241	119,498	1,069	1.54
	1954	26,293,250	1,701,167,341	123,884	1,144	1.55
	1955	28,576,115	1,866,799,984	127,913	1,216	1.53
	1956	31,423,691	2,087,639,883	127,497*	1,365	1.51
	1957	33,901,487	2,276,182,472	124,757*	1,520	1.49
Power.....	1943	17,757,984	2,334,067,598	13,837	14,057	0.76
	1944	18,375,443	2,374,869,860	13,860	14,279	0.77
	1945	17,770,481	2,346,870,889	14,726	13,281	0.76
	1946	17,981,265	2,329,774,691	15,529	12,502	0.77
	1947	19,989,875	2,652,001,321	16,325	13,538	0.75
	1948	20,742,344	2,687,513,708	16,886	13,263	0.77
	1949	21,814,062	2,806,244,668	17,594	13,292	0.78
	1950	26,966,954	3,193,783,939	18,788	14,166	0.84
	1951	29,353,071	3,459,742,798	19,370	14,884	0.85
	1952	31,403,227	3,619,518,306	20,055	15,040	0.87
	1953	38,482,884	3,948,124,809	20,885	15,753	0.98
	1954	40,855,075	4,089,513,923	21,671	15,726	1.00
	1955	44,270,882	4,637,527,118	22,237	17,379	0.96
	1956	47,808,610	5,140,704,025	22,809	18,782	0.93
	1957	50,124,976	5,366,245,253	22,607*	19,781	0.93

* Decrease in number of customers reflects reclassifications from commercial to domestic and from power to commercial billing.

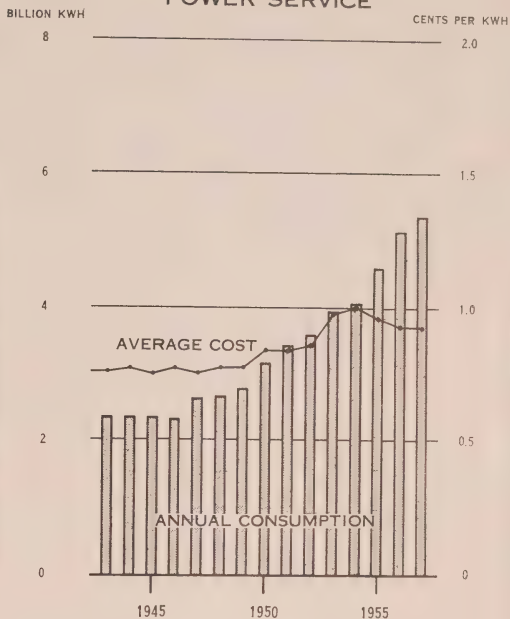
MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR

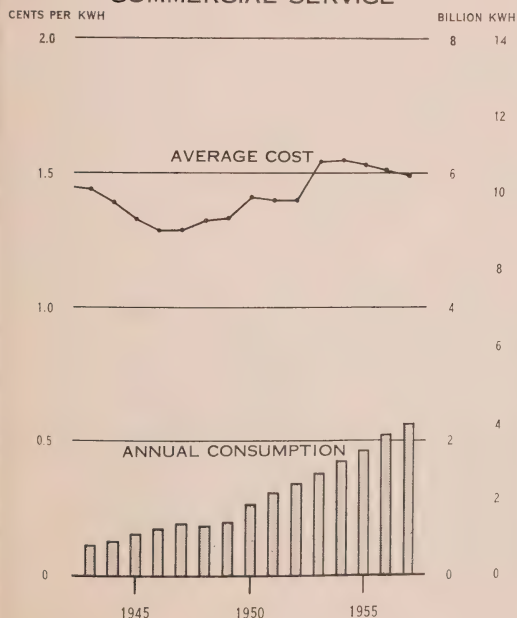
DOMESTIC SERVICE



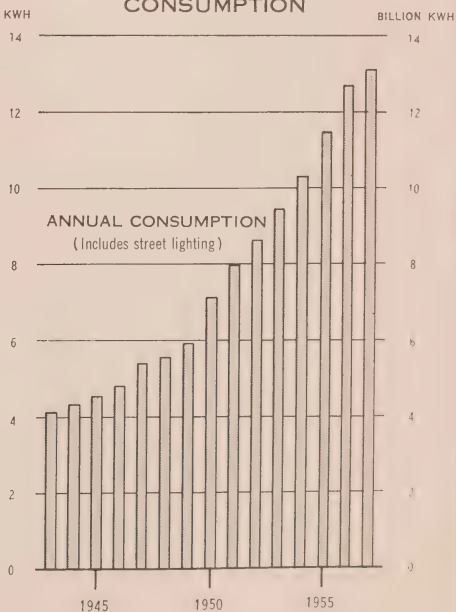
POWER SERVICE



COMMERCIAL SERVICE



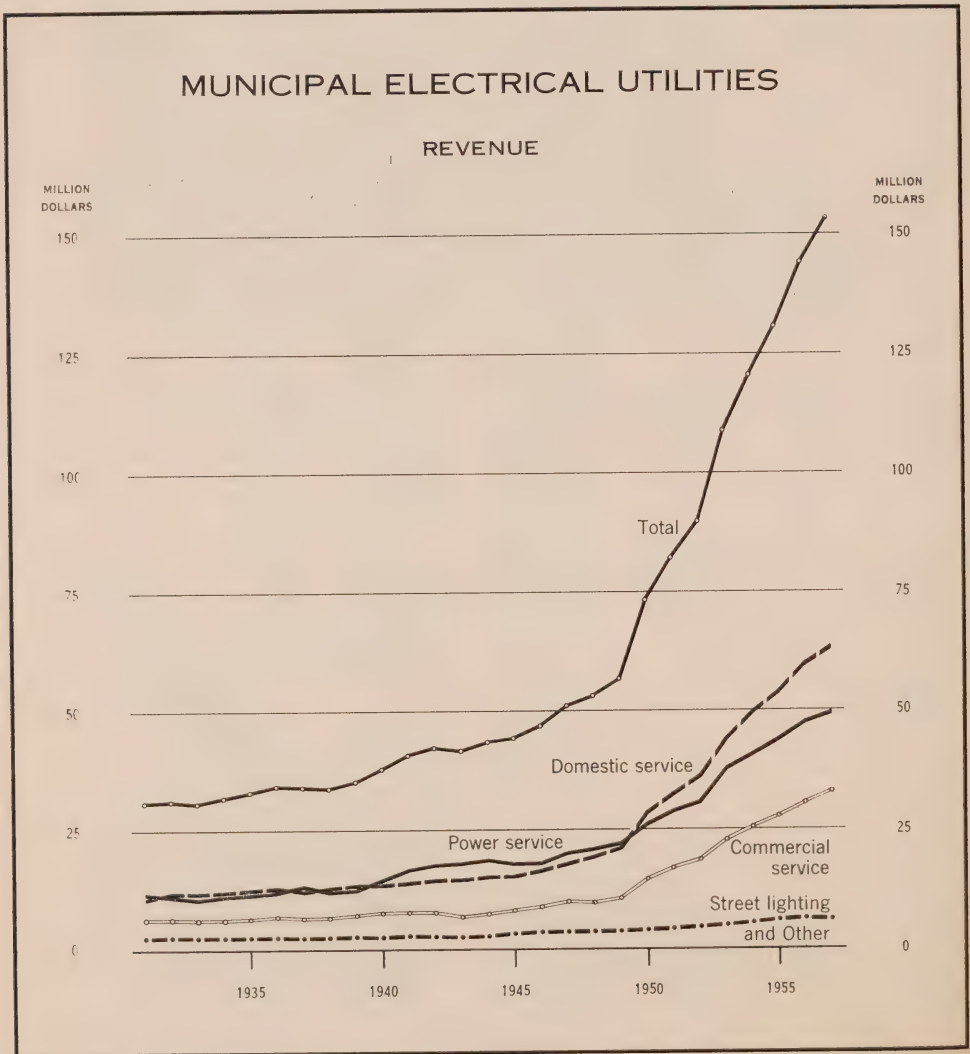
TOTAL ANNUAL ENERGY CONSUMPTION



Financial Operations

Total revenue of the municipal electrical utilities rose by 6.4 per cent from \$144,183,439 in 1956 to \$153,435,888 in 1957. Domestic service accounted for \$64,460,061 of the 1957 total, commercial service for \$33,101,664, and power service for \$49,828,886, while the remaining \$6,045,277 came from street lighting and other revenue sources. The greatest proportional increase was in commercial service. Total expense, up 7.1 per cent from 1956, amounted to \$133,654,401 as compared with \$124,782,115 in the preceding year. Net income at \$19,781,487 was 12.9 per cent of 1957 revenue as compared with net income equal to 13.5 per cent of revenue in 1956.

The power purchased by the municipal utilities represents about 70 per cent of their total annual expense. They purchased 6.6 per cent more kilowatt-hours from the Commission at an increase in cost of only 6.1 per cent. The growing investment in fixed assets is reflected in a 16.0 per cent increase in interest and



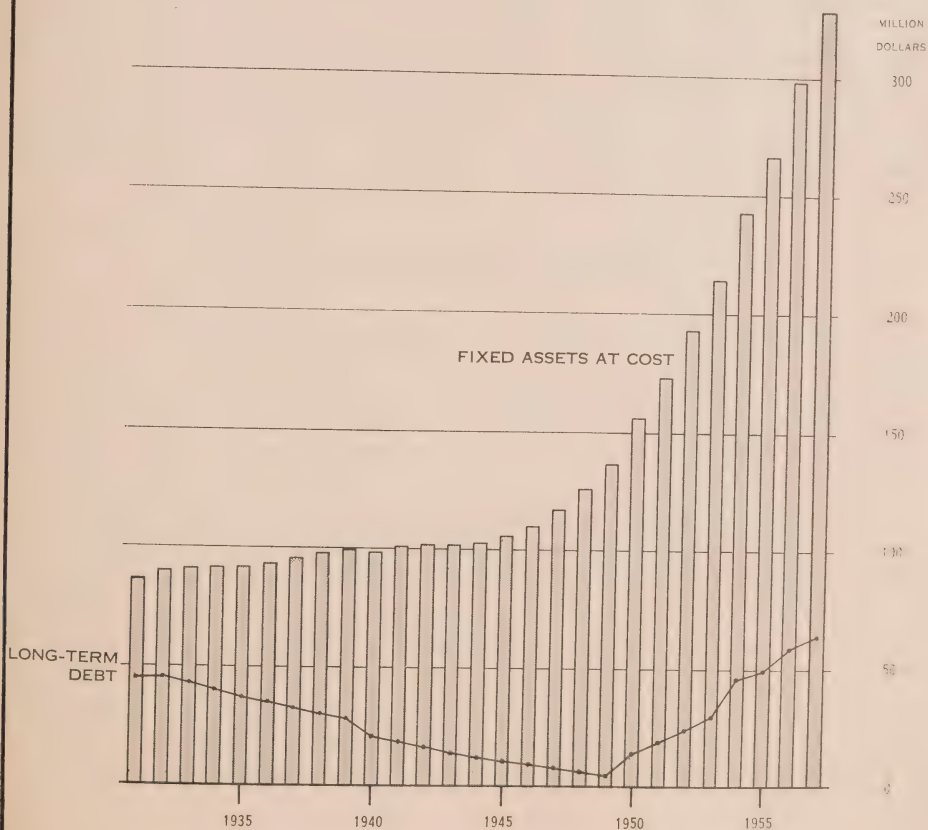
principal payments and also in the 8.8 per cent increase in allocations for depreciation. The cost of administration was up by 9.7 per cent, the cost of operation and maintenance by 7.1 per cent.

Summary of Financial Position

The investment of the utilities in fixed assets at cost at December 31, 1957 amounted to \$327,925,974, against which accumulated depreciation of \$68,975,083 had been provided. The total assets after deducting accumulated depreciation amounted to \$508,848,141, of which \$200,293,236 represented the equity in the Commission's systems acquired by the utilities operating under cost contracts with the Commission. This equity amount differs somewhat from the corresponding equity shown on the Commission's balance sheets. The difference is due to the

MUNICIPAL ELECTRICAL UTILITIES

FIXED ASSETS AND LONG-TERM DEBT



fact that most of the utilities close their books before the Commission's calculation of sinking fund for the year is available. These utilities, therefore, show the equity account as at the end of the previous year rather than the current year.

The utilities' investment in fixed assets was increased by \$29,093,767 during the year. The net increase in debenture debt, however, was only \$4,786,803. The debenture debt at the end of 1957 was \$63,315,360, or 19.3 per cent of the cost of fixed assets.

Municipal Resale Rates

Under The Power Commission Act the Commission exercises supervisory control over the activities of the municipal electrical utilities and their rates to ultimate customers are subject to the Commission's approval. These rates must provide the utility with sufficient revenue to meet the cost of providing service and should also distribute this cost equitably among the customers being served.

Basically revised rate structures were introduced in 1956 following studies carried out over a period of years by the Commission in conjunction with the rates committee of the Association of Municipal Electrical Utilities of Ontario. The need for revision was apparent because of radical changes that have taken place in recent years both in the requirements of customers and in the cost of providing electrical service for them. The adoption of the new rate structures will result in a more uniform application of the basic principles of rate development and will eliminate a great many anomalies and inequities that have arisen because of piecemeal changes over the years. The utilities are now changing over progressively to the new rate structures whenever revisions in their individual schedules become necessary.

FINANCIAL AND STATISTICAL TABLES

Four statistical tables complete this section of the Report. The first two, designated Statements "A" and "B" and summarized on page 100, deal with financial aspects of the 351 municipal electrical utilities. These statements are the balance sheets and operating reports of the utilities alphabetically arranged for the Southern Ontario System and the Northern Ontario Properties. The other two statements give information on rates, customers, revenue, and consumption both for the 351 utilities and for the 28 Commission-owned local systems. Statement "C" gives resale rates for all municipal systems served by the Commission, alphabetically arranged. Typical monthly bills for selected levels of consumption are also included as a convenient basis for comparing the cost of service in different municipalities. Statement "D" gives information supplementary to that given in Statement "B" relative to customers, revenue, and consumption, both total and average per customer, for the three main classes of service. The municipalities served are listed in three groups based upon assessed population as recorded in the Municipal Directory for 1958 published by the Department of Municipal Affairs of Ontario.

MUNICIPAL ELECTRICAL SERVICE

Statistical Tables

STATEMENTS A and B

Financial Statements of the Municipal Electrical Utilities

Consolidated for Years 1950 to 1957.....Page 100

By Municipalities.....Page 102

STATEMENT C

Rates and Typical Bills for Electrical Service Provided by the

351 Municipal Electrical Utilities and 28 Local Systems.....Page 164

STATEMENT D

Customers, Revenue, and Consumption in Municipalities Served by

the 351 Municipal Electrical Utilities and 28 Local Systems.....Page 184

MUNICIPAL ELECTRICAL UTILITIES

Year.....	1950	1951	1952
Number of municipalities included.....	321	324	327
A. BALANCE SHEETS			
FIXED ASSETS	\$	\$	\$
Plant and facilities at cost.....	156,148,063.73	173,722,456.91	193,795,885.58
Accumulated depreciation.....	46,310,558.56	48,087,416.88	50,985,328.59
Net fixed assets.....	109,837,505.19	125,635,040.03	142,810,556.99
CURRENT ASSETS			
Cash on hand and in bank.....	2,807,734.27	3,276,778.98	4,667,729.07
Investment in government securities..	19,706,944.56	16,291,592.69	11,542,720.01
Accounts receivable.....	6,922,076.43	7,727,032.69	7,386,627.75
Total current assets.....	29,436,755.26	27,295,404.36	23,597,076.83
OTHER ASSETS			
Inventory of stores.....	5,114,209.37	7,514,369.31	8,001,402.81
Sinking fund on local debentures....	592,491.22	613,435.37	388,409.83
Miscellaneous.....	1,685,128.46	1,636,236.87	1,889,668.76
Total other assets.....	7,391,829.05	9,764,041.55	10,279,481.40
Equity in Ontario Hydro systems.....	108,475,000.19	118,269,170.96	128,655,935.37
Total	255,141,089.69	280,963,656.90	305,343,050.59
LIABILITIES			
Debentures outstanding.....	14,069,133.05	18,889,520.06	24,159,238.87
Accounts payable.....	7,377,031.22	9,738,476.39	10,375,202.49
Other.....	1,489,028.47	1,612,914.06	1,762,832.81
Total liabilities.....	22,935,192.74	30,240,910.51	36,297,274.17
RESERVES			
Equity in Ontario Hydro systems.....	108,475,000.19	118,269,170.96	128,655,935.37
Other.....	4,314,186.14	5,628,316.81	8,008,751.79
Total reserves.....	112,789,186.33	123,897,487.77	136,664,687.16
CAPITAL			
Debentures redeemed.....	56,534,877.64	59,434,311.73	60,260,350.13
Local sinking fund.....	592,491.22	613,435.37	388,409.83
Accumulated net income invested in plant or held as working funds....	62,522,124.72	67,511,314.72	72,374,287.61
Frequency standardization expense charged this year.....	232,782.96	733,803.20	641,958.31
Total capital.....	119,416,710.62	126,825,258.62	132,381,089.26
Total	255,141,089.69	280,963,656.90	305,343,050.59
B. OPERATING STATEMENTS			
REVENUE			
Domestic, commercial, power.....	69,538,269.92	78,194,913.60	85,692,880.05
Street lighting.....	2,552,755.74	2,769,300.03	3,051,561.67
Other.....	1,432,505.92	1,347,467.29	1,314,597.74
Total revenue	73,523,531.58	82,311,680.92	90,059,039.46
EXPENSE			
Power purchased.....	46,400,040.72	50,854,323.41	55,583,500.98
Local generation.....	263,958.02	290,579.22	322,179.19
Operation and maintenance.....	7,889,232.85	8,886,579.22	9,918,638.33
Administration.....	6,153,793.83	7,283,471.66	7,645,805.56
Fixed charges—interest and principal.	1,478,056.32	1,524,930.86	1,981,386.38
—depreciation.....	4,076,473.95	4,717,496.55	5,293,508.78
—other.....	1,769,378.03	87,225.06	71,211.41
Total expense	68,030,933.72	73,644,340.85	80,816,230.63
Net income or net expense	5,492,597.86	8,667,340.07	9,242,808.83
Number of customers.....	867,916	904,880	941,975

CONSOLIDATED FINANCIAL STATEMENTS 1950-1957

1953	1954	1955	1956	1957
332	338	343	350	351
\$	\$	\$	\$	\$
214,595,382.62	243,525,699.63	267,090,751.95	298,832,206.56	327,925,974.14
54,282,571.38	58,973,785.70	62,413,110.91	66,539,420.46	68,975,083.14
160,312,811.24	184,551,913.93	204,677,641.04	232,292,786.10	258,950,891.00
4,884,136.41	7,376,868.68	9,277,807.16	9,858,535.71	10,819,895.68
10,716,658.76	16,361,137.42	17,392,469.04	15,512,896.26	14,174,407.97
10,298,699.00	10,695,798.63	9,939,403.37	12,776,466.24	12,573,922.51
25,899,494.17	34,433,804.73	36,609,679.57	38,147,898.21	37,568,226.16
7,527,843.57	7,413,229.39	7,900,466.07	9,681,857.72	9,579,583.64
410,806.10	383,453.60	383,750.82	290,682.53	561,622.08
2,393,860.10	3,465,796.88	2,323,308.16	2,399,183.97	1,894,582.34
10,332,509.77	11,262,479.87	10,607,525.05	12,371,724.22	12,035,788.06
140,068,856.95	152,461,822.48	167,250,921.01	183,262,708.26	200,293,236.03
336,613,672.13	382,710,021.01	419,145,766.67	466,075,116.79	508,848,141.25
29,827,723.36	45,645,050.80	49,776,906.68	58,528,556.65	63,315,360.35
10,943,035.08	11,090,473.03	10,574,521.87	11,633,156.25	11,226,905.22
2,224,181.11	2,843,741.81	3,493,146.55	3,910,276.02	4,207,236.47
42,994,939.55	59,579,265.64	63,844,575.10	74,071,988.92	78,749,502.04
140,068,856.95	152,461,822.48	167,250,921.01	183,262,708.26	200,293,236.03
8,153,000.71	8,095,704.58	7,765,477.57	6,948,235.70	5,658,849.45
148,221,857.66	160,557,527.06	175,016,398.58	190,210,943.96	205,952,085.48
61,417,714.38	64,210,219.78	66,488,672.46	69,338,989.80	72,087,555.72
410,806.10	383,453.60	383,750.82	290,682.53	561,622.08
83,934,775.30	98,687,493.41	114,727,111.58	132,983,133.97	152,057,613.51
366,420.86	707,938.48	1,314,741.87	820,622.39	560,237.58
145,396,874.92	162,573,228.31	180,284,792.99	201,792,183.91	224,146,553.73
336,613,672.13	382,710,021.01	419,145,766.67	466,075,116.79	508,848,141.25
104,315,090.16	115,524,224.33	125,492,967.41	138,005,827.59	147,390,611.09
3,681,919.79	3,986,609.82	4,317,330.66	4,623,264.40	4,465,053.16
1,257,311.65	1,345,281.13	1,457,198.85	1,554,347.50	1,580,224.12
109,254,321.50	120,856,115.28	131,267,496.92	144,183,439.49	153,435,888.37
69,750,629.67	75,589,512.37	79,779,898.37	87,344,024.25	92,682,089.36
319,743.95	426,606.00	459,594.45	501,385.94	575,770.57
10,674,896.91	11,527,269.43	12,076,619.71	13,406,954.68	14,362,586.91
8,236,239.48	9,299,704.59	9,896,805.15	11,015,893.46	12,086,583.48
2,400,468.01	3,242,705.07	4,216,876.80	4,744,936.63	5,504,841.71
5,832,594.43	6,547,361.07	7,193,494.56	7,709,546.19	8,389,004.48
147,082.99	141,824.01	144,120.97	59,373.64	53,524.53
97,361,655.44	106,774,982.54	113,767,410.01	124,782,114.79	133,654,401.04
11,892,666.06	14,081,132.74	17,500,086.91	19,401,324.70	19,781,487.33
986,144	1,045,742	1,089,835	1,153,371	1,192,357

Municipal Electrical Utilities Financial

Southern Ontario System

Municipality.....	Acton	Ailsa Craig	Ajax	Alexandria	Alfred
Population.....	3,903	513	7,058	2,436	939
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	248,075.91	37,168.03	605,458.66	219,558.40	53,226.33
Accumulated depreciation.....	19,923.52	3,560.55	95,331.34	43,605.43	12,886.94
Net fixed assets.....	228,152.39	33,607.48	510,127.32	175,952.97	40,339.39
CURRENT ASSETS					
Cash on hand and in bank.....	47,283.41	2,966.37	79,196.03	5,091.56	17,861.44
Investment in government securities..	2,000.00			13,000.00	
Accounts receivable.....	14,751.07	64.64	11,436.72	1,042.70	5,107.44
Total current assets.....	64,034.48	3,031.01	90,632.75	19,134.26	22,968.88
OTHER ASSETS					
Inventory of stores.....	3,355.93		24,135.82	9,210.49	
Sinking fund on local debentures.....					
Miscellaneous.....	2,779.30				
Total other assets.....	6,135.23		24,135.82	9,210.49	
Equity in Ontario Hydro systems.....	284,204.82	43,949.29	12,152.30	100,710.48	1,743.10
Total.....	582,526.92	80,587.78	637,048.19	305,008.20	65,051.37
LIABILITIES					
Debentures outstanding.....	66,600.00		339,000.00	9,041.12	35,500.00
Accounts payable.....	12,105.28	623.86	316.05		932.03
Other.....	3,461.25	180.00	34,494.69	2,675.83	1,415.00
Total liabilities.....	82,166.53	803.86	373,810.74	11,716.95	37,847.03
RESERVES					
Equity in Ontario Hydro systems.....	284,204.82	43,949.29	12,152.30	100,710.48	1,743.10
Other.....	3,900.54		18,417.00		1,546.56
Total reserves.....	288,105.36	43,949.29	30,569.30	100,710.48	3,289.66
CAPITAL					
Debentures redeemed.....	17,900.00	6,883.38	11,000.00	44,258.11	2,500.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	194,355.03	28,951.25	221,668.15	148,322.66	21,414.68
Frequency standardization expense charged this year.....					
Total capital.....	212,255.03	35,834.63	232,668.15	192,580.77	23,914.68
Total.....	582,526.92	80,587.78	637,048.19	305,008.20	65,051.37
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	188,235.90	16,997.39	307,916.08	74,781.98	25,697.13
Street lighting.....	5,540.92	640.54	3,449.25	1,729.87	1,252.90
Other.....	643.21	102.78	1,687.82	4,641.09	122.23
Total revenue.....	194,420.03	17,740.71	313,053.15	81,152.94	27,072.26
EXPENSE					
Power purchased.....	134,913.00	10,704.96	143,952.53	48,578.50	9,171.94
Local generation.....					
Operation and maintenance.....	12,309.94	1,387.45	15,286.57	5,032.33	1,391.39
Administration.....	8,962.80	855.52	38,998.10	8,408.54	2,003.74
Fixed charges—interest and principal.....	5,288.65		26,645.07	2,075.32	3,204.06
—depreciation.....	5,312.00	858.00	13,373.00	5,788.00	1,487.00
—other.....					
Total expense.....	166,786.39	13,805.93	238,255.27	69,882.69	17,258.13
Net income or net expense.....	27,633.64	3,934.78	74,797.88	11,270.25	9,814.13
Number of customers.....	1,269	223	2,051	829	287

Statements for the Year Ended December 31, 1957

Alliston 2,896	Almonte 3,053	Alvinston 630	Amherstburg 4,377	Ancaster Twp. 11,854	Apple Hill 400	Arkona 422
\$ 154,641.97 26,376.64	\$ 329,522.52 73,532.66	\$ 54,308.71 12,197.89	\$ 303,921.45 65,707.94	\$ 222,153.82 22,110.45	\$ 16,692.53 3,855.33	\$ 38,135.15 7,603.91
128,265.33	255,989.86	42,110.82	238,213.51	200,043.37	12,837.20	30,531.24
15.00	7,543.90	2,407.06	18,006.90	5,589.95	3,924.00	.....
22,000.00	52,000.00	3,500.00	18,000.00	.....	4,000.00	4,000.00
2,897.78	2,035.48	404.22	1,934.41	143.97	138.28	214.31
24,912.78	61,579.38	6,311.28	37,941.31	5,733.92	8,062.28	4,214.31
5,135.72	9,241.20	.....	9,230.85	.....	.....	.....
.....
201.33	.....	1,210.30	30.94	527.18	.....	239.01
5,337.05	9,241.20	1,210.30	9,261.79	527.18	.....	239.01
96,496.52	30,401.61	43,309.14	219,961.35	81,145.18	10,152.15	23,060.83
255,011.68	357,212.05	92,941.54	505,377.96	287,449.65	31,051.63	58,045.39
.....	.....	.....	27,500.00	93,444.25	.....	.....
2,913.13	4,521.94	2,127.34	11,770.63	2,858.44	449.65	182.75
2,895.96	971.99	3,555.00	3,396.16	753.32	36.00	55.00
5,809.09	5,493.93	5,682.34	42,666.79	97,056.01	485.65	237.75
96,496.52	30,401.61	43,309.14	219,961.35	81,145.18	10,152.15	23,060.83
100.00	1,848.00	15.28	438.04	580.88	.....	.....
96,596.52	32,249.61	43,324.42	220,399.39	81,726.06	10,152.15	23,060.83
29,989.55	72,000.00	23,529.24	41,053.60	35,666.03	5,080.12	13,112.83
.....
122,616.52	247,468.51	20,405.54	201,258.18	84,964.68	15,333.71	21,633.98
.....	.....	.....	.....	11,963.13	.....	.....
152,606.07	319,468.51	43,934.78	242,311.78	108,667.58	20,413.83	34,746.81
255,011.68	357,212.05	92,941.54	505,377.96	287,449.65	31,051.63	58,045.39
81,257.67	87,884.98	14,888.92	184,264.89	103,780.80	5,078.66	13,215.22
2,462.00	4,447.53	1,305.26	9,153.14	2,523.81	424.20	947.55
680.29	7,943.87	118.42	1,051.97	639.54	137.08	147.36
84,399.96	100,276.38	16,312.60	194,470.00	106,944.15	5,639.94	14,310.13
56,328.21	39,165.16	9,414.02	119,573.47	63,795.83	2,626.02	9,910.81
.....	16,910.71	.....	.....	.....	.....	.....
12,156.88	8,144.93	2,749.97	12,049.44	12,998.75	515.47	1,358.50
5,471.05	9,416.70	1,325.91	11,290.01	5,369.49	791.63	965.04
77.00	.....	29.52	3,464.48	9,161.53	.....	1.00
3,827.00	8,645.00	1,555.00	6,930.00	4,906.00	446.00	1,043.00
.....	.....	.....	500.00	.....	.....	.....
77,860.14	82,282.50	15,074.42	153,807.40	96,231.60	4,379.12	13,278.35
6,539.82	17,993.88	1,238.18	40,662.60	10,712.55	1,260.82	1,031.78
994	1,017	322	1,368	1,021	114	183

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Arnprior	Arthur	Athens	Aurora	Aylmer
Population.....	5,336	1,166	943	3,976	4,408
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	367,497.13	77,913.23	49,856.45	247,325.67	252,621.33
Accumulated depreciation.....	31,368.79	19,024.91	7,808.01	53,975.67	66,023.21
Net fixed assets.....	336,128.34	58,888.32	42,048.44	193,350.00	186,598.12
CURRENT ASSETS					
Cash on hand and in bank.....	49,036.88	.....	3,472.86	33,246.67	16,547.06
Investment in government securities..	.....	24,000.00	21,000.00	25,000.00	.....
Accounts receivable.....	942.52	567.16	2,747.62	1,634.38	3,400.59
Total current assets.....	49,979.40	24,567.16	27,220.48	59,881.05	19,947.65
OTHER ASSETS					
Inventory of stores.....	5,371.82	.....	.....	612.24	131.48
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	2,047.00	.....	178.30	25,512.69
Total other assets.....	5,371.82	2,047.00	.....	790.54	25,644.17
Equity in Ontario Hydro systems.....	129,324.28	61,219.01	24,556.67	104,179.45	193,665.22
Total.....	520,803.84	146,721.49	93,825.59	358,201.04	425,855.16
LIABILITIES					
Debentures outstanding.....	56,796.33	.....	.....	.....	48,000.00
Accounts payable.....	21,959.29	1,198.04	1,862.54	521.63	3,207.87
Other.....	6,359.75	652.80	140.00	3,252.65	3,200.00
Total liabilities.....	85,115.37	1,850.84	2,002.54	3,774.28	54,407.87
RESERVES					
Equity in Ontario Hydro systems....	129,324.28	61,219.01	24,556.67	104,179.45	193,665.22
Other.....	2,237.74	.....	206.06	131.74	336.82
Total reserves.....	131,562.02	61,219.01	24,762.73	104,311.19	194,002.04
CAPITAL					
Debentures redeemed.....	68,672.80	23,913.38	12,988.39	.....	40,701.92
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds... ..	235,453.65	59,738.26	54,071.93	250,115.57	136,743.33
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	304,126.45	83,651.64	67,060.32	250,115.57	177,445.25
Total.....	520,803.84	146,721.49	93,825.59	358,201.04	425,855.16
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	190,877.24	30,430.62	13,476.95	159,826.84	164,088.49
Street lighting.....	11,155.17	2,192.70	1,193.28	6,489.78	5,395.17
Other.....	2,418.38	676.81	911.58	5,680.46	727.10
Total revenue.....	204,450.79	33,300.13	15,581.81	171,997.08	170,210.76
EXPENSE					
Power purchased.....	100,259.37	22,209.77	11,022.41	109,712.65	127,658.86
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	10,436.06	4,146.18	1,251.95	16,252.65	6,923.99
Administration.....	13,339.51	2,292.27	1,040.40	15,389.59	10,302.00
Fixed charges—interest and principal..	6,618.89	260.21	.....	.....	4,987.60
—depreciation.....	7,979.00	2,188.00	1,245.00	6,412.00	6,969.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	138,632.83	31,096.43	14,559.76	147,766.89	156,841.45
Net income or net expense.....	65,817.96	2,203.70	1,022.05	24,230.19	13,369.31
Number of customers.....	1,643	468	331	1,494	1,558

Statements for the Year Ended December 31, 1957

Ayr 980	Baden 788	Bancroft 2,414	Barrie 18,645	Barry's Bay 1,479	Bath 626	Beachville 799
\$ 64,755.89 10,881.19	\$ 58,291.89 7,922.25	\$ 213,803.94 46,621.01	\$ 1,248,091.16 314,938.02	\$ 70,477.75 3,568.96	\$ 52,094.53 8,689.44	\$ 60,241.97 19,730.74
53,874.70	50,369.64	167,182.93	933,153.14	66,908.79	43,405.09	40,511.23
13,000.00	3,460.16	1,307.93	150.00	7,950.18	1,953.55	21,107.66
373.19	243.52	1,098.18	24,280.80	1,832.74	320.73	25,000.00
13,373.19	10,203.68	2,406.11	24,430.80	9,782.92	2,274.28	46,810.96
7,443.59	35.00	165.50	601.97			133.55
7,443.59	35.00	4,009.14	25,240.29			133.55
53,249.39	96,238.62	9,346.86	654,430.22	5,694.84	11,147.76	141,288.00
127,940.87	156,846.94	182,945.04	1,637,254.45	82,386.55	56,827.13	228,743.74
8,678.01	374.76	23,625.00	3,032.70	206.59	9,500.00	81.12
199.64	30.00	1,585.91	15,120.75	242.00	96.21	330.00
8,877.65	404.76	26,885.91	18,153.45	448.59	478.03	411.12
53,249.39	96,238.62	9,346.86	654,430.22	5,694.84	11,147.76	141,288.00
			500.00		170.42	196.49
53,249.39	96,238.62	9,346.86	654,930.22	5,694.84	11,318.18	141,484.49
17,503.38	5,000.00	43,875.00	65,365.68	7,500.00	8,000.00	5,536.66
48,310.45	55,203.56	102,837.27	898,805.10	68,743.12	27,434.71	81,311.47
65,813.83	60,203.56	146,712.27	964,170.78	76,243.12	35,434.71	86,848.13
127,940.87	156,846.94	182,945.04	1,637,254.45	82,386.55	56,827.13	228,743.74
30,407.18	24,852.86	54,459.86	624,281.34	23,055.30	16,435.40	85,065.22
1,222.32	2,164.73	2,665.44	11,913.98	1,466.85	489.79	1,353.01
470.15	200.72	27.73	7,075.65	82.11	4.90	1,223.91
32,099.65	27,218.31	57,153.03	643,270.97	24,604.26	16,930.09	87,642.14
22,463.83	18,964.18	26,438.87	391,272.40	10,011.64	9,300.41	72,585.53
2,349.35	871.95	2,963.87	72,366.02	1,014.51	726.30	2,820.33
1,933.21	1,158.82	2,533.44	44,674.56	1,494.70	1,760.88	1,098.67
48.47	7.50	4,267.03	373.89	532.72	1,045.42	
1,722.00	1,342.00	3,640.70	35,210.00	1,429.00	1,310.00	1,929.00
		5,566.00				182.00
28,516.86	22,344.45	45,409.91	543,896.87	14,482.57	14,143.01	78,615.53
3,582.79	4,873.86	11,743.12	99,374.10	10,121.69	2,787.08	9,026.61
357	258	747	5,783	379	240	279

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Beamsville	Beaverton	Beeton	Belle River	Belleville
Population.....	2,152	1,061	665	1,864	20,832
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	106,602.88	89,314.85	58,224.76	92,942.06	1,160,144.77
Accumulated depreciation.....	20,116.67	16,628.29	5,658.23	20,695.72	201,649.20
Net fixed assets.....	86,486.21	72,686.56	52,566.53	72,246.34	958,495.57
CURRENT ASSETS					
Cash on hand and in bank.....	467.57	215.37	1,133.78	12,154.21	50,860.42
Investment in government securities..	7,000.00	.....	1,000.00	2,000.00	205,000.00
Accounts receivable.....	603.60	108.58	207.04	1,108.63	32,649.79
Total current assets.....	8,071.17	323.95	2,340.82	15,262.84	288,510.21
OTHER ASSETS					
Inventory of stores.....	.....	84.87	.....	1,784.65	32,313.37
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	420.00	.....	.....	.....	.....
Total other assets.....	420.00	84.87	.....	1,784.65	32,313.37
Equity in Ontario Hydro systems.....	54,598.22	68,533.80	45,333.75	45,149.38	867,784.96
Total	149,575.60	141,629.18	100,241.10	134,443.21	2,147,104.11
LIABILITIES					
Debentures outstanding.....	.....	.....	.....	7,800.00	.....
Accounts payable.....	891.42	473.95	893.88	2,259.83	.....
Other.....	12,136.02	615.05	385.00	650.00	29,790.26
Total liabilities.....	13,027.44	1,089.00	1,278.88	10,709.83	29,790.26
RESERVES					
Equity in Ontario Hydro systems.....	54,598.22	68,533.80	45,333.75	45,149.38	867,784.96
Other.....	.....	370.00	86.50	1,030.04	3,251.28
Total reserves.....	54,598.22	68,903.80	45,420.25	46,179.42	871,036.24
CAPITAL					
Debentures redeemed.....	37,500.00	12,839.34	13,610.31	12,700.00	174,997.19
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	53,373.60	58,797.04	39,931.66	64,853.96	1,071,280.42
Frequency standardization expense charged this year.....	8,923.66	.....	.....	.....	.....
Total capital.....	81,949.94	71,636.38	53,541.97	77,553.96	1,246,277.61
Total	149,575.60	141,629.18	100,241.10	134,443.21	2,147,104.11
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	68,104.20	50,422.54	22,860.25	42,586.03	632,864.61
Street lighting.....	2,404.79	2,280.53	1,449.68	2,687.86	19,850.86
Other.....	205.00	219.72	54.79	130.68	20,667.81
Total revenue	70,713.99	52,922.79	24,364.72	45,404.57	673,383.28
EXPENSE					
Power purchased.....	52,652.58	36,179.69	13,931.82	23,177.13	453,173.44
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	3,118.22	4,382.05	1,606.46	6,932.66	49,963.75
Administration.....	5,216.73	3,844.14	1,152.81	4,723.89	50,300.99
Fixed charges—interest and principal.....	169.88	.....	.....	1,567.50	.....
—depreciation.....	2,684.00	2,390.00	1,332.00	2,517.00	29,025.00
—other.....	.....	.....	.....	100.00	.....
Total expense	63,841.41	46,795.88	18,023.09	39,018.18	582,463.18
Net income or net expense	6,872.58	6,126.91	6,341.63	6,386.39	90,920.10
Number of customers.....	773	511	300	655	7,112

Statements for the Year Ended December 31, 1957

Blenheim 2,840	Bloomfield 723	Blyth 770	Bobcaygeon 1,144	Bolton 1,259	Bothwell 797	Bowmanville 6,906
\$ 242,323.44 29,869.03	\$ 52,068.98 15,703.67	\$ 59,536.42 6,624.55	\$ 193,907.70 50,792.36	\$ 91,130.44 14,001.34	\$ 45,206.49 14,596.43	\$ 567,822.31 141,613.97
212,454.41	36,365.31	52,911.87	143,115.34	77,129.10	30,610.06	426,208.34
25.00	3,546.71	4,498.36	378.32	7,855.50	2,129.29	23,585.96
.....	9,000.00	2,000.00	5,000.00	.....	6,000.00	110,000.00
975.59	173.09	237.76	686.49	1,840.58	676.75	4,830.34
1,000.59	12,719.80	6,736.12	6,064.81	9,696.08	8,806.04	138,416.30
968.85	.....	.....	3,488.05	526.85	.....	15,778.20
.....	.....	.....	.....	.....	4,592.61	836.47
5,362.28	.....	.....	.....	.....	.....	.....
6,331.13	.....	.....	3,488.05	526.85	4,592.61	16,614.67
130,262.49	26,694.84	39,382.67	15,132.35	58,204.12	50,045.88	331,251.86
350,048.62	75,779.95	99,030.66	167,800.55	145,556.15	94,054.59	912,491.17
45,322.30	.....	.....	4,598.96	21,314.93	.....	.....
2,935.86	.....	91.67	4,420.10	7,736.63	168.92	735.43
905.00	526.00	251.86	325.00	912.05	101.88	4,012.00
49,163.16	526.00	343.53	9,344.06	29,963.61	270.80	4,747.43
130,262.49	26,694.84	39,382.67	15,132.35	58,204.12	50,045.88	331,251.86
4,309.46	.....	.....	.....	1,577.42	.....	.....
134,571.95	26,694.84	39,382.67	15,132.35	59,781.54	50,045.88	331,251.86
28,677.70	9,796.58	16,032.52	85,401.04	13,185.07	5,534.19	71,000.00
.....
137,655.81	38,762.53	43,271.94	57,923.10	42,625.93	38,203.72	505,491.88
20.00	.....	.....	.....	.....	.....	.....
166,313.51	48,559.11	59,304.46	143,324.14	55,811.00	43,737.91	576,491.88
350,048.62	75,779.95	99,030.66	167,800.55	145,556.15	94,054.59	912,491.17
89,421.75	18,927.43	30,833.89	38,512.01	43,093.34	19,280.72	244,890.54
5,980.42	1,031.97	1,287.75	2,350.51	1,225.62	1,841.70	8,725.28
2,796.25	634.63	65.48	600.35	36.12	322.33	4,879.27
98,198.42	20,594.03	32,187.12	41,462.87	44,355.08	21,444.75	258,495.09
48,079.42	12,740.96	20,712.39	20,217.04	28,164.91	14,092.41	158,906.13
.....	.....	.....	36.82	.....	.....	.....
6,646.91	1,656.61	2,246.80	4,811.40	3,358.53	1,002.15	25,083.25
11,491.33	1,855.89	1,642.73	5,113.47	3,431.60	1,334.55	12,268.98
6,817.93	2.00	1.85	4,799.67	1,401.88	100.05	21.59
5,179.00	1,588.00	1,395.00	2,557.00	2,157.00	857.00	15,769.00
.....	.....	.....	.....	107.00	.....	.....
78,214.59	17,843.46	25,998.77	37,535.40	38,620.92	17,386.16	212,048.95
19,983.83	2,750.57	6,188.35	3,927.47	5,734.16	4,058.59	46,446.14
1,058	302	325	667	471	312	2,329

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Bracebridge	Bradford	Braeside	Brampton	Brantford
Population.....	2,810	2,124	495	13,518	51,669
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	777,438.05	189,931.61	23,432.61	944,664.32	4,148,845.42
Accumulated depreciation.....	173,650.50	23,255.32	1,593.07	90,193.91	932,359.54
Net fixed assets.....	603,787.55	166,676.29	21,839.54	854,470.41	3,216,485.88
CURRENT ASSETS					
Cash on hand and in bank.....	31,527.70	15,137.42	2,078.96	61,810.26	6,245.65
Investment in government securities.....		10,500.00		1,510.00	61,000.00
Accounts receivable.....	8,837.74	3,961.18	1,872.91	2,891.99	51,157.21
Total current assets.....	40,365.44	29,598.60	3,951.87	66,202.25	118,402.86
OTHER ASSETS					
Inventory of stores.....	12,847.40	11,848.21		26,791.43	94,997.92
Sinking fund on local debentures.....					233,692.73
Miscellaneous.....	687.58	429.25	300.00		
Total other assets.....	13,534.98	12,277.46	300.00	26,791.43	328,690.65
Equity in Ontario Hydro systems.....	781.15	74,431.95	11,030.94	604,586.10	3,465,083.36
Total.....	658,469.12	282,984.30	37,122.35	1,552,050.19	7,128,662.75
LIABILITIES					
Debentures outstanding.....	296,997.62		2,649.78	320,000.00	674,130.58
Accounts payable.....	21,722.47			2,958.20	217,302.62
Other.....	1,020.00	1,982.78	180.00	6,163.00	51,420.65
Total liabilities.....	319,740.09	1,982.78	2,829.78	329,121.20	942,853.85
RESERVES					
Equity in Ontario Hydro systems.....	781.15	74,431.95	11,030.94	604,586.10	3,465,083.36
Other.....	2,266.66	72.45		3,239.99	17,843.13
Total reserves.....	3,047.81	74,504.40	11,030.94	607,826.09	3,482,926.49
CAPITAL					
Debentures redeemed.....	208,802.38	23,351.06	3,350.22	99,050.64	778,983.32
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	126,878.84	183,146.06	19,911.41	516,052.26	1,923,899.09
Frequency standardization expense charged this year.....					
Total capital.....	335,681.22	206,497.12	23,261.63	615,102.90	2,702,882.41
Total.....	658,469.12	282,984.30	37,122.35	1,552,050.19	7,128,662.75
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	115,624.48	80,078.61	15,447.17	450,947.09	1,869,310.56
Street lighting.....	5,230.03	4,052.07	441.87	13,523.83	51,601.95
Other.....	3,380.40	1,154.50	116.13	2,128.07	4,841.30
Total revenue.....	124,234.91	85,285.18	16,005.17	466,598.99	1,925,753.81
EXPENSE					
Power purchased.....	5,885.94	45,647.60	8,460.62	280,858.97	1,362,773.80
Local generation.....	30,207.84				
Operation and maintenance.....	14,338.70	11,320.05	757.62	19,444.89	144,091.26
Administration.....	10,719.52	7,182.63	744.55	13,787.18	82,360.36
Fixed charges—interest and principal.....	17,627.79		443.42	26,463.22	71,479.55
—depreciation.....	15,249.00	4,240.00	489.00	20,425.00	113,264.00
—other.....					
Total expense.....	94,028.79	68,390.28	10,895.21	360,979.26	1,773,968.97
Net income or net expense.....	30,206.12	16,894.90	5,109.96	105,619.73	151,784.84
Number of customers.....	1,243	742	136	4,122	16,993

Statements for the Year Ended December 31, 1957

Brantford Twp. 6,483	Brechin 219	Bridgeport 1,571	Brigden 511	Brighton 2,117	Brockville 15,456	Bronte 2,114
\$ 762,873.53 203,048.95	\$ 15,905.25 2,119.91	\$ 72,406.20 13,183.61	\$ 38,315.50 8,534.63	\$ 143,010.60 11,415.21	\$ 1,095,701.57 263,103.89	\$ 127,476.08 11,178.05
559,824.58	13,785.34	59,222.59	29,780.87	131,595.39	832,597.68	116,298.03
35,572.13	852.78	3,682.36	6,189.95	8,558.01	29,541.38	1,968.08
6,674.60	10,000.00	5,000.00	151.25	10,000.00	12,000.00	1,516.68
42,246.73	418.74	43.67		829.98	39,533.09	
21,093.70	11,271.52	8,726.03	6,341.20	19,387.99	81,074.47	3,484.76
28,325.59				6,472.23	11,164.53	2,450.47
49,419.29		2,402.96	20.00		2,440.99	5.78
20,130.68		2,402.96	20.00	6,472.23	13,605.52	2,456.25
	19,803.46	33,463.66	34,354.55	63,689.19	760,270.82	12,501.70
671,621.28	44,860.32	103,815.24	70,496.62	221,144.80	1,687,548.49	134,740.74
491,009.68		18,945.00			92,400.00	33,000.00
2,494.83	2,522.19	214.04		27.47	884.81	2,122.73
1,541.74	80.00	816.07	90.00	2,436.45	10,660.21	2,676.91
495,046.25	2,602.19	19,975.11	90.00	2,463.92	103,945.02	37,799.64
20,130.68	19,803.46	33,463.66	34,354.55	63,689.19	760,270.82	12,501.70
16,327.00	53.93	738.91			823.60	339.42
36,457.68	19,857.39	34,202.57	34,354.55	63,689.19	761,094.42	12,841.12
23,002.08	2,664.00	13,423.03	8,000.00	25,000.00	174,869.92	6,000.00
117,115.27	19,736.74	36,214.53	28,052.07	129,991.69	647,639.13	78,099.98
140,117.35	22,400.74	49,637.56	36,052.07	154,991.69	822,509.05	84,099.98
671,621.28	44,860.32	103,815.24	70,496.62	221,144.80	1,687,548.49	134,740.74
327,386.40	6,112.92	37,176.71	13,103.93	72,433.59	571,510.52	51,895.58
881.64	345.50	1,596.48	1,028.76	2,703.41	12,878.25	2,890.26
2,557.49	406.63	303.61	116.02	560.82	6,662.27	3.08
330,825.53	6,865.05	39,076.80	14,248.71	75,697.82	591,051.04	54,788.92
134,217.45	4,746.00	23,872.80	8,162.76	38,129.13	380,755.38	30,018.55
23,217.44	673.86	2,431.45	674.37	5,901.62	61,991.23	7,087.74
21,835.54	671.65	3,629.33	1,302.60	7,423.32	47,812.48	5,605.45
38,307.88	40.45	1,466.07			861.13	3,383.54
21,255.00	342.00	1,901.00	1,062.00	2,894.00	29,351.00	2,742.00
						130.00
238,833.31	6,473.96	33,300.65	11,201.73	54,348.07	520,771.22	48,967.28
91,992.22	391.09	5,776.15	3,046.98	21,349.75	70,279.82	5,821.64
1,822	93	403	215	937	4,813	637

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Brussels	Burford	Burgessville	Burk's Falls	Burlington
Population.....	788	1,035	238	907	32,635
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	57,370.62	60,018.31	17,038.93	70,655.89	587,950.74
Accumulated depreciation.....	5,883.56	15,872.62	6,063.74	9,559.22	57,953.60
Net fixed assets.....	51,487.06	44,145.69	10,975.19	61,096.67	529,997.14
CURRENT ASSETS					
Cash on hand and in bank.....	5,313.40		3,668.54	6,650.72	59,054.16
Investment in government securities..		3,500.00	1,500.00		38,100.00
Accounts receivable.....	2,343.30	896.84	37.50	851.99	2,943.17
Total current assets.....	7,656.70	4,396.84	5,206.04	7,502.71	100,097.33
OTHER ASSETS					
Inventory of stores.....		84.12		373.21	12,509.86
Sinking fund on local debentures.....					255.30
Miscellaneous.....	54.00	7,397.85			
Total other assets.....	54.00	7,481.97		373.21	12,765.16
Equity in Ontario Hydro systems.....	48,366.98	51,582.89	17,532.04	8,244.48	139,356.65
Total.....	107,564.74	107,607.39	33,713.27	77,217.07	782,216.28
LIABILITIES					
Debentures outstanding.....				18,581.34	123,904.11
Accounts payable.....	4,965.71	12,058.36		34.58	925.72
Other.....	202.25	149.30		248.06	19,154.09
Total liabilities.....	5,167.96	12,207.66		18,863.98	143,983.92
RESERVES					
Equity in Ontario Hydro systems....	48,366.98	51,582.89	17,532.04	8,244.48	139,356.65
Other.....					
Total reserves.....	48,366.98	51,582.89	17,532.04	8,244.48	139,356.65
CAPITAL					
Debentures redeemed.....	21,000.00	9,000.00	3,500.00	16,418.66	136,595.89
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	33,029.80	34,816.84	12,681.23	33,689.95	362,279.82
Frequency standardization expense charged this year.....					
Total capital.....	54,029.80	43,816.84	16,181.23	50,108.61	498,875.71
Total.....	107,564.74	107,607.39	33,713.27	77,217.07	782,216.28
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	29,572.20	31,433.68	8,245.48	26,549.45	352,270.11
Street lighting.....	1,443.03	1,018.86	298.47	1,632.29	8,834.28
Other.....	7.42	145.27	47.65	281.30	1,636.55
Total revenue.....	31,022.65	32,597.81	8,591.60	28,463.04	362,740.94
EXPENSE					
Power purchased.....	22,388.30	24,403.07	5,998.55	15,515.54	227,863.26
Local generation.....					
Operation and maintenance.....	1,532.71	2,194.36	348.90	2,244.98	20,599.77
Administration.....	2,615.10	1,853.84	344.51	2,525.98	36,069.67
Fixed charges—interest and principal.....		157.21		3,040.08	17,526.80
—depreciation.....	1,306.00	1,696.00	342.00	1,560.00	13,180.00
—other.....				66.25	
Total expense.....	27,842.11	30,304.48	7,033.96	24,952.83	315,239.50
Net income or net expense.....	3,180.54	2,293.33	1,557.64	3,510.21	47,501.44
Number of customers.....	369	395	98	322	3,288

Statements for the Year Ended December 31, 1957

Caledonia	Campbellville	Cannington	Cardinal	Carleton Place	Casselman	Cayuga
2,074	320	981	2,075	4,684	1,229	808
\$	\$	\$	\$	\$	\$	\$
115,386.19	14,964.67	59,694.28	62,669.69	218,566.47	76,732.89	76,729.67
19,294.14	3,309.58	14,693.11	8,557.14	39,248.95	6,643.99	13,388.60
96,092.05	11,655.09	45,001.17	54,112.55	179,317.52	70,088.90	63,341.07
8,399.09	1,549.21	4,659.62	3,217.43	6,718.17	1,092.15	
200.00	500.00	6,000.00	1,500.00	15,000.00	14,000.00	22,500.00
1,867.64	477.30	493.06	547.00	3,579.29	121.08	790.46
10,466.73	2,526.51	11,152.68	5,264.43	18,579.29	20,839.25	24,382.61
6,213.10	740.75	6,187.14	206.72			
8,020.19	1.25	1,729.40	100.00			548.36
14,233.29	1.25	740.75	1,729.40	6,287.14	755.08	
78,711.83	10,885.72	52,448.64	40,935.32	285,023.41	5,943.36	35,203.33
199,503.90	25,068.57	109,343.24	102,041.70	489,207.36	96,871.51	123,682.09
4,500.00				15,180.00	57,500.00	
2,979.93		2,945.62		11,884.93		1,925.57
1,055.69		348.06		2,790.88	10.00	680.43
8,535.62		3,293.68		29,855.81	57,510.00	2,606.00
78,711.83	10,885.72	52,448.64	40,935.32	285,023.41	5,943.36	35,203.33
320.84	17.00	28.68		686.82		111.83
79,032.67	10,902.72	52,477.32	40,935.32	285,710.23	5,943.36	35,315.16
11,124.00	5,447.77	14,532.42	11,014.20	58,116.83	12,500.00	20,000.00
100,811.61	8,718.08	39,039.82	50,092.18	115,524.49	20,918.15	65,760.93
111,935.61	14,165.85	53,572.24	61,106.38	173,641.32	33,418.15	85,760.93
199,503.90	25,068.57	109,343.24	102,041.70	489,207.36	96,871.51	123,682.09
52,296.11	6,957.19	31,262.17	43,041.90	136,762.98	33,111.55	21,918.41
3,087.59	366.74	1,733.79	1,114.32	6,207.15	1,164.47	2,006.05
94.49	17.74	260.91	269.25	1,461.63	461.37	858.87
55,478.19	7,341.67	33,256.87	44,425.47	144,431.76	34,737.39	24,783.33
29,531.21	4,746.12	22,206.36	29,159.38	102,799.54	18,638.50	13,163.34
3,795.74	273.91	2,229.84	3,534.13	15,143.46	1,333.56	3,919.61
5,888.27	390.74	2,182.60	2,942.80	20,594.20	2,606.58	4,571.99
1,247.79				1,075.88	5,500.00	
2,845.00	402.00	1,740.00	1,544.00	5,482.00	1,610.00	1,899.00
	17.00					
43,308.01	5,829.77	28,358.80	37,180.31	145,095.08	29,688.64	23,553.94
12,170.18	1,511.90	4,898.07	7,245.16	663.32	5,048.75	1,229.39
775	83	425	637	1,670	353	339

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Chalk River	Chatham	Chatsworth	Chesley	Chesterville
Population.....	917	22,259	391	1,635	1,205
A. BALANCE SHEETS					
FIXED ASSETS					
Plant and facilities at cost.....	\$ 62,045.04	\$ 2,234,671.55	\$ 25,563.95	\$ 99,458.92	\$ 60,209.89
Accumulated depreciation.....	8,346.59	407,182.96	6,734.16	29,700.44	12,801.03
Net fixed assets.....	53,698.45	1,827,488.59	18,829.79	69,758.48	47,408.86
CURRENT ASSETS					
Cash on hand and in bank.....	4,974.90	50.00	8,663.68	9,970.13	11,308.36
Investment in government securities..		140,000.00	3,000.00	12,000.00	6,000.00
Accounts receivable.....	4,649.35	135,986.48	347.65	318.39	2,051.63
Total current assets.....	9,624.25	276,036.48	12,011.33	22,288.52	19,359.99
OTHER ASSETS					
Inventory of stores.....		81,499.73	102.06	464.99	
Sinking fund on local debentures.....					
Miscellaneous.....		7,046.80			
Total other assets.....		88,546.53	102.06	464.99	
Equity in Ontario Hydro systems.....		1,397,960.90	19,016.42	121,476.87	88,006.94
Total.....	63,322.70	3,590,032.50	49,959.60	213,988.86	154,775.79
LIABILITIES					
Debentures outstanding.....	53,500.00	569,277.07			
Accounts payable.....		90,318.53	64.00	226.28	17.63
Other.....	210.00	14,888.29	138.85		80.00
Total liabilities.....	53,710.00	674,483.89	202.85	226.28	97.63
RESERVES					
Equity in Ontario Hydro systems.....		1,397,960.90	19,016.42	121,476.87	88,006.94
Other.....		61,416.52			
Total reserves.....		1,459,377.42	19,016.42	121,476.87	88,006.94
CAPITAL					
Debentures redeemed.....	1,500.00	650,722.93	5,014.10	24,410.34	5,889.32
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds...	8,112.70	825,850.08	25,726.23	67,875.37	60,781.90
Frequency standardization expense charged this year.....		20,401.82			
Total capital.....	9,612.70	1,456,171.19	30,740.33	92,285.71	66,671.22
Total.....	63,322.70	3,590,032.50	49,959.60	213,988.86	154,775.79
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	25,934.92	1,052,542.84	11,386.78	51,313.52	50,865.79
Street lighting.....	314.54	54,925.22	1,375.82	2,539.80	1,752.60
Other.....		8,187.97	202.77	534.96	406.71
Total revenue.....	26,249.46	1,115,656.03	12,965.37	54,388.28	53,025.10
EXPENSE					
Power purchased.....	10,828.43	530,884.78	8,251.78	38,604.76	39,386.29
Local generation.....					
Operation and maintenance.....	358.62	195,671.81	947.86	4,477.54	3,251.23
Administration.....	1,094.80	151,623.57	1,002.41	4,019.24	1,852.79
Fixed charges—interest and principal.	4,439.91	73,118.88			
—depreciation.....	1,415.00	56,011.00	746.00	3,038.00	1,615.00
—other.....					
Total expense.....	18,136.76	1,007,310.04	10,948.05	50,139.54	46,105.31
Net income or net expense.....	8,112.70	108,345.99	2,017.32	4,248.74	6,919.79
Number of customers.....	259	7,475	166	698	431

Statements for the Year Ended December 31, 1957

Chippawa	Cliftrd	Clinton	Cobden	Cobourg	Colborne	Coldwater
2,134	537	2,920	877	8,548	1,223	704
\$	\$	\$	\$	\$	\$	\$
120,553.82	36,577.36	215,339.05	53,594.51	668,991.00	76,216.03	47,199.30
24,760.77	5,500.41	31,826.29	5,002.47	141,134.09	6,585.21	11,350.99
95,793.05	31,076.95	183,512.76	48,592.04	527,856.91	69,630.82	35,848.31
.....	6,304.23	22,552.39	14,446.03	31,185.43	130.00	6,816.58
.....	3,000.00	15,000.00	8,000.00	10,000.00	.....	12,500.00
1,485.32	130.60	878.27	179.59	21,916.46	1,889.19	1,100.90
1,485.32	9,434.83	38,430.66	22,625.62	63,101.89	2,019.19	20,417.48
369.23	.....	3,598.83	.....	18,115.49	9,850.41	.....
.....	.....	.....	.....	1,822.88	.....	.....
38.48	29.32	722.34	.....	.....	.....	.....
407.71	29.32	4,321.17	.....	19,938.37	9,850.41	.....
60,276.75	27,787.52	165,849.28	18,832.54	325,608.05	32,652.45	42,993.37
157,962.83	68,328.62	392,113.87	90,050.20	936,505.22	114,152.87	99,259.16
.....	6,690.33	65,600.00	.....	.....	.....	.....
8,104.78	383.95	249.09	.....	130.52	11,122.12	34.00
1,560.00	5.00	3,544.12	97.89	10,897.83	987.00	115.37
9,664.78	7,079.28	69,393.21	97.89	11,028.35	12,109.12	149.37
60,276.75	27,787.52	165,849.28	18,832.54	325,608.05	32,652.45	42,993.37
35.00	331.07	3,933.98	.....	.....	.....	136.48
60,311.75	28,118.59	169,783.26	18,832.54	325,608.05	32,652.45	43,129.85
13,350.00	8,255.01	57,400.00	4,949.42	105,993.50	12,194.59	6,867.47
.....
74,636.30	24,875.74	95,537.40	66,170.35	493,875.32	57,196.71	49,112.47
.....
87,986.30	33,130.75	152,937.40	71,119.77	599,868.82	69,391.30	55,979.94
157,962.83	68,328.62	392,113.87	90,050.20	936,505.22	114,152.87	99,259.16
48,645.12	16,688.08	113,870.03	19,916.29	399,681.83	38,686.62	20,326.62
3,415.84	1,124.27	2,603.90	1,653.29	10,490.91	2,194.14	1,304.56
.....	14.50	916.53	345.09	1,096.68	506.43	466.06
52,060.96	17,826.85	117,390.46	21,914.67	411,269.42	41,387.19	22,097.24
32,670.09	11,149.51	67,285.65	14,909.35	252,703.83	25,545.66	13,144.32
.....
3,889.45	933.46	11,431.99	1,768.39	27,290.34	2,932.71	1,826.15
3,284.91	1,308.19	8,947.43	1,569.55	26,986.84	5,552.65	1,586.29
16.70	535.58	6,831.50	.....	.....	249.69	1.92
3,069.00	1,044.00	5,213.00	1,193.00	17,625.00	1,416.00	1,354.00
.....
42,930.15	14,970.74	99,709.57	19,440.29	324,606.01	35,696.71	17,912.68
9,130.81	2,856.11	17,680.89	2,474.38	86,663.41	5,690.48	4,184.46
725	209	1,118	374	3,056	521	255

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Collingwood	Comber	Cookstown	Cottam	Courtright
Population.....	7,880	585	562	645	580
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	393,140.02	42,727.04	44,298.22	43,343.38	23,297.53
Accumulated depreciation.....	79,532.96	9,714.92	6,116.95	9,056.02	3,519.41
Net fixed assets.....	313,607.06	33,012.12	38,181.27	34,287.36	19,778.12
CURRENT ASSETS					
Cash on hand and in bank.....	65,087.92	5,761.02	8,019.34	5,666.07	1,138.46
Investment in government securities..	11,000.00	.....	.....	3,000.00	4,000.00
Accounts receivable.....	3,213.97	249.31	85.03	50.46	519.78
Total current assets.....	79,301.89	6,010.33	8,104.37	8,716.53	5,658.24
OTHER ASSETS					
Inventory of stores.....	13,615.93	12.00	.....	115.00	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	872.77	3,572.01	.....	.....	902.22
Total other assets.....	14,488.70	3,584.01	.....	115.00	902.22
Equity in Ontario Hydro systems.....	474,552.44	51,401.25	20,710.58	18,070.71	18,061.81
Total.....	881,950.09	94,007.71	66,996.22	61,189.60	44,400.39
LIABILITIES					
Debentures outstanding.....	.....	3,261.10	.....	3,500.00	.....
Accounts payable.....	683.34	1.85	1,101.03	272.41	69.56
Other.....	6,240.15	183.31	522.69	676.59	437.48
Total liabilities.....	6,923.49	3,446.26	1,623.72	4,449.00	507.04
RESERVES					
Equity in Ontario Hydro systems....	474,552.44	51,401.25	20,710.58	18,070.71	18,061.81
Other.....	100.00	25.38	93.40	354.94	80.24
Total reserves.....	474,652.44	51,426.63	20,803.98	18,425.65	18,142.05
CAPITAL					
Debentures redeemed.....	38,183.42	9,438.90	12,000.85	10,500.22	8,138.35
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	362,190.74	29,695.92	32,567.67	27,814.73	17,612.95
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	400,374.16	39,134.82	44,568.52	38,314.95	25,751.30
Total.....	881,950.09	94,007.71	66,996.22	61,189.60	44,400.39
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	268,359.01	18,600.55	16,422.88	15,069.47	7,259.86
Street lighting.....	8,395.53	985.96	822.17	550.00	745.42
Other.....	1,887.19	4.56	211.37	47.89	195.30
Total revenue.....	278,641.73	19,591.07	17,456.42	15,667.36	8,200.58
EXPENSE					
Power purchased.....	199,442.55	10,618.57	11,287.08	7,450.56	5,421.35
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	19,500.67	1,847.52	1,434.06	852.81	1,231.39
Administration.....	15,727.00	2,013.81	1,112.46	1,619.16	911.08
Fixed charges—interest and principal.	.....	420.68	.....	668.75	.....
—depreciation.....	10,104.00	1,172.00	1,049.00	1,187.00	570.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	244,774.22	16,072.58	14,882.60	11,778.28	8,133.82
Net income or net expense.....	33,867.51	3,518.49	2,573.82	3,889.08	66.76
Number of customers.....	2,841	237	254	238	197

Statements for the Year Ended December 31, 1957

Creemore 854	Dashwood 391	Delaware 407	Delhi 3,140	Deseronto 1,678	Dorchester 779	Drayton 568
\$ 38,891.21 6,755.96	\$ 22,662.43 3,387.86	\$ 19,020.39 5,996.12	\$ 244,241.29 41,222.83	\$ 109,170.95 20,803.49	\$ 46,611.75 9,425.76	\$ 42,675.81 9,897.35
32,135.25	19,274.57	13,024.27	203,018.46	88,367.46	37,185.99	32,778.46
2,506.97	5,397.73	1,875.74	100.00	1,050.01	3,153.00	4,403.15
10,000.00	.....	.....	28,500.00	16,000.00	1,500.00	6,000.00
743.02	25.12	652.49	2,587.68	5,118.51	487.87	799.11
13,249.99	5,422.85	2,528.23	31,187.68	22,168.52	5,140.87	11,202.26
.....	.....	.....	11,002.93	7,321.06	.....	.....
600.00	.....	300.00	18,294.55	1,447.15	.....	102.70
600.00	.....	300.00	29,297.48	8,768.21	.....	102.70
38,846.17	28,686.77	14,541.31	70,514.57	42,762.27	26,721.32	40,178.17
84,831.41	53,384.19	30,393.81	334,018.19	162,066.46	69,048.18	84,261.59
.....	.....	.....	9,805.02	.....	2,608.96	.....
.....	526.49	47.32	836.97	30.00	1,800.00	75.00
588.70	.....	50.00	3,770.54	2,087.57	318.22	25.00
588.70	526.49	97.32	14,412.53	2,117.57	4,727.18	100.00
38,846.17	28,686.77	14,541.31	70,514.57	42,762.27	26,721.32	40,178.17
58.09	.....	22.53	95.00	.....	.....	.....
38,904.26	28,686.77	14,563.84	70,609.57	42,762.27	26,721.32	40,178.17
2,823.61	3,400.00	4,000.00	75,194.98	15,000.00	4,691.04	9,500.00
.....
42,514.84	20,770.93	11,732.65	173,801.11	102,186.62	32,908.64	34,483.42
.....
45,338.45	24,170.93	15,732.65	248,996.09	117,186.62	37,599.68	43,983.42
84,831.41	53,384.19	30,393.81	334,018.19	162,066.46	69,048.18	84,261.59
21,142.44	13,036.29	11,069.00	121,841.15	42,971.34	15,806.12	18,039.60
1,485.60	403.83	313.38	5,142.52	2,997.41	1,718.60	1,749.59
305.43	3.48	2.81	1,660.13	1,038.98	50.07	140.16
22,933.47	13,443.60	11,385.19	128,643.80	47,007.73	17,574.79	19,929.35
15,690.42	9,463.63	7,820.35	75,852.56	28,718.28	12,195.07	11,625.03
.....
1,574.03	930.95	882.52	10,992.80	5,608.83	2,431.94	2,067.73
1,513.70	1,420.02	1,044.22	10,048.10	6,417.38	1,721.39	1,815.88
.....	.....	1.17	6,157.84	.....	240.72	1.68
1,020.00	539.00	591.00	5,367.00	2,763.00	1,237.00	1,246.00
.....
19,798.15	12,353.60	10,339.26	108,418.30	43,507.49	17,826.12	16,756.32
3,135.32	1,090.00	1,045.93	20,225.50	3,500.24	251.33	3,173.03
350	174	131	1,259	620	295	260

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Dresden	Drumbo	Dublin	Dundalk	Dundas
Population.....	2,216	365	250	821	10,210
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	157,498.01	26,072.50	29,663.98	46,482.95	612,492.54
Accumulated depreciation.....	16,492.79	9,182.85	5,787.53	10,190.24	117,880.49
Net fixed assets.....	141,005.22	16,889.65	23,876.45	36,292.71	494,612.05
CURRENT ASSETS					
Cash on hand and in bank.....	7,235.37	2,451.40	1,230.86	6,330.99	11,644.27
Investment in government securities..	21,000.00	5,500.00	1,300.00	6,500.00	9,000.00
Accounts receivable.....	4,006.32	725.43	41.39	443.89	3,172.37
Total current assets.....	32,241.69	8,676.83	2,572.25	13,274.88	23,816.64
OTHER ASSETS					
Inventory of stores.....	9,470.47				12,173.92
Sinking fund on local debentures.....					
Miscellaneous.....	2,073.71	2,046.44			600.81
Total other assets.....	11,544.18	2,046.44			12,774.73
Equity in Ontario Hydro systems.....	110,993.85	23,049.60	17,495.47	46,071.50	482,974.80
Total.....	295,784.94	50,662.52	43,944.17	95,639.09	1,014,178.22
LIABILITIES					
Debentures outstanding.....	28,896.74				180,500.00
Accounts payable.....	526.86	221.02	2,417.15		3,276.55
Other.....	1,254.00	126.00	25.00	100.00	10,093.31
Total liabilities.....	30,677.60	347.02	2,442.15	100.00	193,869.86
RESERVES					
Equity in Ontario Hydro systems....	110,993.85	23,049.60	17,495.47	46,071.50	482,974.80
Other.....	1,963.19				1,852.88
Total reserves.....	112,957.04	23,049.60	17,495.47	46,071.50	484,827.68
CAPITAL					
Debentures redeemed.....	22,526.50	4,500.00	6,200.00	5,727.27	67,500.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	130,013.34	22,765.90	17,806.55	43,740.32	268,056.68
Frequency standardization expense charged this year.....	389.54				76.00
Total capital.....	152,150.30	27,265.90	24,006.55	49,467.59	335,480.68
Total.....	295,784.94	50,662.52	43,944.17	95,639.09	1,014,178.22
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	76,910.72	11,088.51	11,162.20	28,697.37	340,048.79
Street lighting.....	3,642.00	389.44	501.72	1,548.26	14,308.68
Other.....	4,151.24	241.73	52.37	201.93	1,127.74
Total revenue.....	84,703.96	11,719.68	11,716.29	30,447.56	355,485.21
EXPENSE					
Power purchased.....	40,554.07	8,348.16	6,905.02	16,843.74	208,075.60
Local generation.....					
Operation and maintenance.....	11,443.71	562.94	809.16	3,263.95	45,141.80
Administration.....	14,876.92	934.27	821.86	3,168.31	21,334.14
Fixed charges—interest and principal.	3,936.93				15,000.56
—depreciation.....	3,390.00	501.00	795.00	1,267.00	15,661.00
—other.....					
Total expense.....	74,201.63	10,346.37	9,331.04	24,543.00	305,213.10
Net income or net expense.....	10,502.33	1,373.31	2,385.25	5,904.56	50,272.11
Number of customers.....	873	162	114	402	3,267

Statements for the Year Ended December 31, 1957

Dunnville 4,996	Durham 2,051	Dutton 801	East York Twp. 69,182	Eganville 1,565	Elmira 2,839	Elmvale 908
\$	\$	\$	\$	\$	\$	\$
314,725.08 57,475.60	119,407.31 13,379.41	37,864.05 14,349.30	3,303,093.49 433,636.74	143,244.99 29,218.69	290,228.16 61,355.66	60,647.59 12,325.84
257,249.48	106,027.90	23,514.75	2,869,456.75	114,026.30	228,872.50	48,321.75
70.00	6,570.99	4,608.98	236,103.84	8,174.30	4,613.58	17,417.18
20,000.00	4,000.00	5,500.00	350,000.00	10,000.00	.....	1,500.00
4,274.23	1,616.86	416.35	109,171.68	605.31	450.49	403.86
24,344.23	12,187.85	10,525.33	695,275.52	18,779.61	5,064.07	19,321.04
34,376.39	1,616.15	.....	30,647.99	2,657.24	499.70	.....
.....	.....	.....	35,593.10	.....	.....	.....
253.06	.....	4,909.89	150.00	.....	720.09	.....
34,629.45	1,616.15	4,909.89	66,391.09	2,657.24	1,219.79	.....
245,833.30	101,644.35	59,004.84	1,545,199.38	3,426.76	269,397.36	48,452.25
562,056.46	221,476.25	97,954.81	5,176,322.74	138,889.91	504,553.72	116,095.04
60,230.00	.....	.....	713,017.46	57,711.84	.....	.....
16,394.43	309.91	1,819.70	141,280.33	343.20	4,363.79	1,183.71
6,199.15	1,073.00	212.36	34,846.17	.....	1,669.05	.....
82,823.58	1,382.91	2,032.06	889,143.96	58,055.04	6,032.84	1,183.71
245,833.30	101,644.35	59,004.84	1,545,199.38	3,426.76	269,397.36	48,452.25
350.00	.....	.....	39,991.32	.....	.....	79.55
246,183.30	101,644.35	59,004.84	1,585,190.70	3,426.76	269,397.36	48,531.80
80,270.00	25,323.97	8,407.49	570,763.36	42,288.16	37,168.50	6,544.07
.....	.....	.....	35,593.10	.....	.....	.....
152,782.92	93,125.02	28,510.42	2,095,631.62	35,119.95	192,224.24	59,835.46
3.34	.....	.....	.....	.....	269.22	.....
233,049.58	118,448.99	36,917.91	2,701,988.08	77,408.11	229,123.52	66,379.53
562,056.46	221,476.25	97,954.81	5,176,322.74	138,889.91	504,553.72	116,095.04
188,267.39	74,488.31	20,725.18	1,767,754.12	42,370.83	147,532.50	26,728.16
8,643.87	2,803.89	1,486.80	65,615.85	1,464.52	3,771.99	1,623.22
.....	437.78	206.71	24,194.61	546.91	578.60	129.34
196,911.26	77,729.98	22,418.69	1,857,564.58	44,382.26	151,883.09	28,480.72
129,093.58	46,999.46	14,951.58	1,141,894.51	11,037.92	120,731.02	17,285.32
.....	.....	.....	.....	10,733.40	.....	.....
25,569.61	8,757.85	2,359.01	142,335.87	2,805.30	8,828.09	2,809.91
11,061.58	5,449.18	1,602.47	136,829.27	5,243.08	8,417.41	1,997.97
4,726.91	.....	9.73	77,832.50	7,035.35	245.76	.....
7,944.00	2,805.00	785.00	78,215.00	3,632.00	7,817.00	1,710.00
.....	.....	49.17	2,000.00	.....	.....	.....
178,395.68	64,011.49	19,756.96	1,579,107.15	40,487.05	146,039.28	23,803.20
18,515.58	13,718.49	2,661.73	278,457.43	3,895.21	5,843.81	4,677.52
1,826	805	342	20,777	532	1,056	374

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Elmwood	Elora	Embro	Erieau	Erie Beach
Population.....	V.A.	1,515	508	465	97
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	22,003.66	93,940.56	35,929.57	68,628.77	19,459.95
Accumulated depreciation.....	5,747.31	26,651.11	12,369.27	9,084.84	1,120.44
Net fixed assets.....	16,256.35	67,289.45	23,560.30	59,543.93	18,339.51
CURRENT ASSETS					
Cash on hand and in bank.....	5,187.95	7,242.48	5,670.67	8,333.89	61.07
Investment in government securities..	5,700.00	.....	6,500.00	.....	.....
Accounts receivable.....	256.63	657.62	701.03	4,013.66	315.92
Total current assets.....	11,144.58	7,900.10	12,871.70	12,347.55	376.99
OTHER ASSETS					
Inventory of stores.....	.....	210.99	.....	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	10.00	75.25	3,388.24	452.35
Total other assets.....	.....	220.99	75.25	3,388.24	452.35
Equity in Ontario Hydro systems.....	16,263.81	114,758.61	36,497.36	29,750.13	5,608.61
Total.....	43,664.74	190,169.15	73,004.61	105,029.85	24,777.46
LIABILITIES					
Debentures outstanding.....	.....	6,300.00	.....	15,000.00	5,000.00
Accounts payable.....	805.56	2,145.36	.....	.....	425.20
Other.....	25.00	865.00	55.00	252.50	255.00
Total liabilities.....	830.56	9,310.36	55.00	15,252.50	5,680.20
RESERVES					
Equity in Ontario Hydro systems.....	16,263.81	114,758.61	36,497.36	29,750.13	5,608.61
Other.....	.....	55.74	.....	808.23	81.06
Total reserves.....	16,263.81	114,814.35	36,497.36	30,558.36	5,689.67
CAPITAL					
Debentures redeemed.....	6,106.38	13,700.00	7,500.00	6,883.13	3,300.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	20,463.99	52,344.44	28,966.25	52,335.86	10,213.93
Frequency standardization expense charged this year.....	.....	.....	14.00	.....	106.34
Total capital.....	26,570.37	66,044.44	36,452.25	59,218.99	13,407.59
Total.....	43,664.74	190,169.15	73,004.61	105,029.85	24,777.46
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	8,063.89	44,260.55	18,678.53	26,428.87	4,663.99
Street lighting.....	717.84	1,679.42	657.29	964.18	240.12
Other.....	339.37	297.63	198.22	326.59	43.87
Total revenue.....	9,121.10	46,237.60	19,534.04	27,719.64	4,947.98
EXPENSE					
Power purchased.....	5,936.07	30,048.52	12,801.16	14,504.79	2,115.42
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	480.64	5,423.74	2,580.70	3,520.77	260.22
Administration.....	979.14	2,429.04	1,712.95	2,278.77	1,028.09
Fixed charges—interest and principal.....	.....	692.77	.....	1,008.26	425.20
—depreciation.....	660.00	2,647.00	1,153.00	1,587.00	372.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	8,055.85	41,241.07	18,247.81	22,899.59	4,200.93
Net income or net expense.....	1,065.25	4,996.53	1,286.23	4,820.05	747.05
Number of customers.....	129	527	218	313	135

Statements for the Year Ended December 31, 1957

Erin 941	Essex 3,464	Etobicoke Twp. 110,306	Exeter 2,699	Fergus 3,710	Finch 400	Flesherton 477
\$ 46,281.97 3,772.96	\$ 208,781.24 56,954.60	\$ 9,940,397.00 777,578.52	\$ 179,772.67 50,282.74	\$ 248,986.11 37,397.51	\$ 32,487.09 6,831.54	\$ 32,411.68 8,312.95
42,509.01	151,826.64	9,162,818.48	129,489.93	211,588.60	25,655.55	24,098.73
9,978.58	9,714.48	401,728.42	16,275.72	6,372.04	928.62	5,260.60
905.73	866.84	37,000.00	10,000.00	2,856.78	14,000.00	16,000.00
		272,623.22	1,828.39		1,469.11	69.34
10,884.31	10,581.32	711,351.64	28,104.11	9,228.82	16,397.73	21,329.94
	8,956.94	136,863.59	1,826.66	516.15		
		136,358.89				
	11,722.22	7,153.50	684.69	229.16		
	20,679.16	280,375.98	2,511.35	745.31		
8,143.64	122,478.41	1,905,271.50	160,033.94	246,937.35	17,988.77	22,181.79
61,536.96	305,565.53	12,059,817.60	320,139.33	468,500.08	60,042.05	67,610.46
6,525.00	11,400.00	6,193,873.37		29,000.00		
352.42	452.03	49.06	63.33	200.00		427.54
595.00	1,099.00	70,738.34	2,251.84	2,269.96	206.04	182.00
7,472.42	12,951.03	6,264,660.77	2,315.17	31,469.96	206.04	609.54
8,143.64	122,478.41	1,905,271.50	160,033.94	246,937.35	17,988.77	22,181.79
36.00	1,162.82	194,039.10	181.89	526.66		
8,179.64	123,641.23	2,099,310.60	160,215.83	247,464.01	17,988.77	22,181.79
7,975.00	26,100.00	994,495.40	20,000.05	46,000.00	7,000.00	5,830.88
		136,358.89				
37,909.90	142,873.27	2,564,991.94	137,608.28	143,566.11	34,847.24	38,988.25
45,884.90	168,973.27	3,695,846.23	157,608.33	189,566.11	41,847.24	44,819.13
61,536.96	305,565.53	12,059,817.60	320,139.33	468,500.08	60,042.05	67,610.46
26,281.38	90,856.19	4,465,211.61	107,986.84	160,019.72	9,640.18	14,370.74
1,309.11	3,932.51	108,219.91	3,933.57	4,778.10	1,200.35	908.94
83.44	1,512.11	24,171.73	2,101.56	521.47	505.20	370.69
27,673.93	96,300.81	4,597,603.25	114,021.97	165,319.29	11,345.73	15,650.37
14,765.86	51,722.89	2,790,864.06	71,388.37	120,204.67	6,688.92	9,476.07
2,245.72	11,080.97	284,787.00	10,812.96	14,053.00	594.17	1,059.96
2,143.74	12,724.14	238,153.46	12,396.76	8,438.61	1,121.04	812.39
960.60	1,950.00	488,403.83		3,226.66		21.92
998.00	5,850.00	200,128.00	5,210.00	5,881.00	862.00	951.00
		5,364.71				
21,113.92	83,328.00	4,007,701.06	99,808.09	151,803.94	9,266.13	12,321.34
6,560.01	12,972.81	589,902.19	14,213.88	13,515.35	2,079.60	3,329.03
374	1,165	38,034	1,133	1,274	171	234

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Fonthill	Forest	Forest Hill	Frankford	Galt
Population.....	1,968	2,025	19,944	1,522	24,555
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	128,556.91	118,023.35	1,330,052.93	67,592.97	2,257,614.51
Accumulated depreciation.....	16,108.30	36,167.52	374,250.69	9,497.80	657,545.60
Net fixed assets.....	112,448.61	81,855.83	955,802.24	58,095.17	1,600,068.91
CURRENT ASSETS					
Cash on hand and in bank.....		13,477.52	158,761.39	17,712.54	35,109.19
Investment in government securities.....		36,500.00	74,000.00		90,000.00
Accounts receivable.....	1,252.97	1,537.29	12,485.36	811.40	13,332.04
Total current assets.....	1,252.97	51,514.81	245,246.75	18,523.94	138,441.23
OTHER ASSETS					
Inventory of stores.....	100.50	2,400.52	36,518.89		65,159.01
Sinking fund on local debentures.....					
Miscellaneous.....		398.58		600.00	2,823.68
Total other assets.....	100.50	2,799.10	36,518.89	600.00	67,982.69
Equity in Ontario Hydro systems.....	39,007.50	124,395.72	818,042.24	11,409.87	1,891,297.36
Total.....	152,809.58	260,565.46	2,055,610.12	88,628.98	3,697,790.19
LIABILITIES					
Debentures outstanding.....	25,850.00		7,780.57	4,000.00	197,000.00
Accounts payable.....	8,172.74	780.07	5,622.04		8,930.30
Other.....	8,849.54	874.36	34,439.22	1,249.00	22,648.29
Total liabilities.....	42,872.28	1,654.43	47,841.83	5,249.00	228,578.59
RESERVES					
Equity in Ontario Hydro systems.....	39,007.50	124,395.72	818,042.24	11,409.87	1,891,297.36
Other.....			2,087.77		27,801.79
Total reserves.....	39,007.50	124,395.72	820,130.01	11,409.87	1,919,099.15
CAPITAL					
Debentures redeemed.....	35,650.00	23,357.13	355,001.03	16,000.00	621,001.95
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	40,607.00	111,158.18	832,637.25	55,970.11	929,110.50
Frequency standardization expense charged this year.....	5,327.20				
Total capital.....	70,929.80	134,515.31	1,187,638.28	71,970.11	1,550,112.45
Total.....	152,809.58	260,565.46	2,055,610.12	88,628.98	3,697,790.19
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	54,562.12	72,310.65	709,837.22	30,741.15	1,013,128.24
Street lighting.....	2,685.00	2,688.47	15,798.87	1,883.14	46,177.82
Other.....		1,215.08	8,008.37	248.71	5,886.38
Total revenue.....	57,247.12	76,214.20	733,644.46	32,873.00	1,065,192.44
EXPENSE					
Power purchased.....	38,614.55	48,059.95	427,695.15	16,983.24	700,534.79
Local generation.....					
Operation and maintenance.....	4,088.66	9,087.35	51,329.63	1,894.73	99,751.15
Administration.....	3,512.28	6,073.44	57,626.14	3,307.65	45,802.69
Fixed charges—interest and principal.....	4,503.53		7,375.99	2,180.00	33,804.46
—depreciation.....	2,891.00	2,046.00	38,967.00	1,645.00	67,273.00
—other.....		26.05	1,000.00		
Total expense.....	53,610.02	65,292.79	583,993.91	26,010.62	947,166.09
Net income or net expense.....	3,637.10	10,921.41	149,650.55	6,862.38	118,026.35
Number of customers.....	674	844	6,804	542	8,091

Statements for the Year Ended December 31, 1957

Georgetown	Glencoe	Goderich	Grand Bend	Grand Valley	Granton	Gravenhurst
6,534	1,064	5,775	937	667	287	3,030
\$ 634,679.61 66,908.66	\$ 94,012.53 24,135.92	\$ 555,645.81 136,916.16	\$ 116,080.54 23,950.57	\$ 42,414.28 12,435.01	\$ 13,734.94 2,576.63	\$ 187,493.53 46,666.98
567,770.95	69,876.61	418,729.65	92,129.97	29,979.27	11,158.31	140,826.57
83,986.05	2,346.03	86,783.99	10,515.21	3,359.16	3,334.51	13,820.51
4,000.00	10,700.00	36,000.00	.....	5,500.00	.....	50,000.00
7,253.74	3,066.75	11,589.99	1,261.81	463.38	78.47	2,323.14
95,239.79	16,112.78	134,373.98	11,777.02	9,322.54	3,412.98	66,143.65
19,472.78	1,097.34	4,204.92	1,184.20	.....	.....	4,219.13
353.99	736.88	449.72	133.68	.....	.....	.....
19,826.77	1,834.22	4,654.64	1,317.88	.....	.....	4,219.13
385,044.07	63,113.53	413,775.82	16,026.52	42,371.64	22,157.73	149,947.53
1,067,881.58	150,937.14	971,534.09	121,251.39	81,673.45	36,729.02	361,136.88
352,344.17	.....	97,500.00	76,896.12	.....	1,557.48	.....
2,142.24	179.67	1,104.40	1,848.36	.....	517.31	179.22
10,574.49	455.00	14,465.52	365.00	.....	30.00	2,010.19
365,060.90	634.67	113,069.92	79,109.48	.....	2,104.79	2,189.41
385,044.07	63,113.53	413,775.82	16,026.52	42,371.64	22,157.73	149,947.53
17,560.54	300.99	514.86	3,620.56	.....	55.58	390.31
402,604.61	63,414.52	414,290.68	19,647.08	42,371.64	22,213.31	150,337.84
38,655.83	20,112.88	123,588.05	8,103.88	10,794.30	5,086.10	44,278.97
.....
261,560.24	66,775.07	321,708.44	14,390.95	28,507.51	7,324.82	164,330.66
.....	.....	1,123.00	.....	.....	.....	.....
300,216.07	86,887.95	444,173.49	22,494.83	39,301.81	12,410.92	208,609.63
1,067,881.58	150,937.14	971,534.09	121,251.39	81,673.45	36,729.02	361,136.88
311,390.63	32,326.05	272,993.21	48,665.30	21,593.93	6,903.77	116,760.30
9,003.42	2,927.55	8,392.89	1,569.43	796.62	300.89	4,410.39
3,099.30	1,067.80	1,296.07	84.76	198.03	5.73	1,431.20
323,493.35	36,321.40	282,682.17	50,319.49	22,588.58	7,210.39	122,601.89
182,775.87	19,390.08	170,113.28	25,365.62	15,133.86	3,966.48	85,079.16
.....
10,511.54	5,472.92	24,656.25	3,566.59	1,712.12	991.30	9,390.35
26,641.94	3,810.96	20,257.08	5,696.61	1,385.60	994.16	8,127.84
29,345.86	.....	9,100.00	6,820.62	.....	307.50	.....
13,085.00	2,663.00	15,267.00	2,924.00	1,334.00	364.00	5,367.00
.....
262,360.21	31,336.96	239,393.61	44,373.44	19,565.58	6,623.44	107,964.35
61,133.14	4,984.44	43,288.56	5,946.05	3,023.00	586.95	14,637.54
2,599	449	2,202	785	319	116	1,285

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Grimsby	Guelph	Hagersville	Hamilton	Hanover
Population.....	4,289	34,323	2,010	240,891	4,043
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	218,116.88	2,450,003.77	103,883.91	18,967,064.63	257,724.94
Accumulated depreciation.....	31,043.70	462,895.98	29,325.17	1,604,102.85	90,662.06
Net fixed assets.....	187,073.18	1,996,107.79	74,558.74	17,362,961.78	167,062.88
CURRENT ASSETS					
Cash on hand and in bank.....		362.50	4,966.48	439,165.38	19,675.54
Investment in government securities..	17,000.00		37,000.00		107,000.00
Accounts receivable.....	843.10	174,148.50	160.19	1,035,996.82	3,686.42
Total current assets.....	17,843.10	174,511.00	42,126.67	1,475,162.20	130,361.96
OTHER ASSETS					
Inventory of stores.....	36.24	77,499.37	45.65	821,939.23	7,764.04
Sinking fund on local debentures.....					
Miscellaneous.....	200.00	151,091.01	252.00	513,723.12	151.00
Total other assets.....	236.24	228,590.38	297.65	1,335,662.35	7,915.04
Equity in Ontario Hydro systems.....	75,923.77	2,213,233.21	230,534.57	21,372,925.79	279,874.23
Total.....	281,076.29	4,612,442.38	347,517.63	41,546,712.12	585,214.11
LIABILITIES					
Debentures outstanding.....		729,000.00		1,296,000.00	
Accounts payable.....	33,462.16	86,514.05		1,064,495.38	12,610.53
Other.....	4,130.88	27,060.67	1,245.00	95,324.31	2,352.53
Total liabilities.....	37,593.04	842,574.72	1,245.00	2,455,819.69	14,963.06
RESERVES					
Equity in Ontario Hydro systems....	75,923.77	2,213,233.21	230,534.57	21,372,925.79	279,874.23
Other.....		37,478.34		235,017.70	
Total reserves.....	75,923.77	2,250,711.55	230,534.57	21,607,943.49	279,874.23
CAPITAL					
Debentures redeemed.....	85,344.00	266,000.00	8,000.00	6,389,275.19	80,162.29
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	100,066.36	1,253,156.11	107,738.06	11,237,118.12	210,214.53
Frequency standardization expense charged this year.....	17,850.88			143,444.37	
Total capital.....	167,559.48	1,519,156.11	115,738.06	17,482,948.94	290,376.82
Total.....	281,076.29	4,612,442.38	347,517.63	41,546,712.12	585,214.11
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	128,088.48	1,268,444.84	86,606.08	12,614,076.15	135,020.90
Street lighting.....	3,988.20	37,040.16	1,292.16	284,413.91	4,058.30
Other.....	447.58	7,205.66	1,389.40	88,890.31	4,249.88
Total revenue.....	132,524.26	1,312,690.66	89,287.64	12,987,380.37	143,329.08
EXPENSE					
Power purchased.....	95,506.07	914,277.24	68,781.79	9,648,692.40	100,341.18
Local generation.....					
Operation and maintenance.....	5,282.36	94,589.60	9,306.09	861,484.17	11,035.02
Administration.....	10,981.44	57,296.59	4,915.06	664,157.63	9,853.55
Fixed charges—interest and principal.....		55,650.33	.31	113,535.00	
—depreciation.....	5,063.00	63,880.00	3,046.00	349,896.62	5,028.00
—other.....					
Total expense.....	116,832.87	1,185,693.76	86,049.25	11,637,765.82	126,257.75
Net income or net expense.....	15,691.39	126,996.90	3,238.39	1,349,614.55	17,071.33
Number of customers.....	1,535	10,656	723	72,887	1,457

Statements for the Year Ended December 31, 1957

Harriston	Harrow	Hastings	Havelock	Hawkesbury	Hensall	Hespeler
1,611	1,816	854	1,288	8,220	833	4,108
\$ 126,080.48 24,068.72	\$ 145,644.52 32,354.14	\$ 64,123.64 18,555.34	\$ 75,847.48 19,411.51	\$ 451,576.00 59,725.14	\$ 89,749.95 22,166.44	\$ 319,635.81 22,113.96
102,011.76	113,290.38	45,568.30	58,435.97	391,850.86	67,583.51	297,521.85
15,036.21	11,058.85	6,975.90	6,930.40	10,814.53	2,752.24	54,360.91
849.03	11,000.00	7,000.00	27,000.00	3,047.33	6,000.00	26,151.32
15,885.24	22,436.63	14,185.30	36,292.20	13,861.86	10,247.73	80,512.23
370.63	3,682.62			11,877.54		913.91
1,633.95	2,577.03	330.00	400.00		80.00	1,304.39
2,004.58	6,259.65	330.00	400.00	11,877.54	80.00	2,218.30
117,331.21	105,576.69	20,528.02	41,272.25	16,808.80	58,691.47	443,233.11
237,232.79	247,563.35	80,611.62	136,400.42	434,399.06	136,602.71	823,485.49
3,800.00			21,000.00	235,000.00		
60.47	339.86	2,059.46	56.00	420.49	415.65	1,631.85
1,017.31	1,145.00	733.73	451.00	3,490.00	235.00	2,740.00
4,877.78	1,484.86	2,793.19	21,507.00	238,910.49	650.65	4,371.85
117,331.21	105,576.69	20,528.02	41,272.25	16,808.80	58,691.47	443,233.11
431.25	21.51				38.26	60.00
117,762.46	105,598.20	20,528.02	41,272.25	16,808.80	58,729.73	443,293.11
27,018.03	12,000.00	21,000.00	41,900.00	50,000.00	12,000.00	77,570.51
87,574.52	128,480.29	36,290.41	31,721.17	128,679.77	65,222.33	298,250.02
114,592.55	140,480.29	57,290.41	73,621.17	178,679.77	77,222.33	375,820.53
237,232.79	247,563.35	80,611.62	136,400.42	434,399.06	136,602.71	823,485.49
60,420.65	73,416.49	23,797.79	30,010.37	186,998.06	37,884.36	239,461.85
2,767.20	2,924.35	2,077.92	1,730.91	8,000.83	1,681.88	8,523.36
191.36	404.38	345.12	1,230.29	508.82	79.85	3,383.33
63,379.21	76,745.22	26,220.83	32,971.57	195,507.71	39,646.09	251,368.54
41,634.80	43,929.00	13,925.33	15,052.58	70,223.25	27,639.21	196,719.93
5,829.33	8,185.58	2,081.89	2,477.87	16,015.03	2,546.44	18,251.44
4,668.10	6,327.92	3,549.88	4,097.70	27,119.65	1,914.97	6,692.95
660.00			2,287.50	21,025.00		19.41
3,290.00	3,975.00	1,894.00	2,088.00	10,039.00	2,517.00	6,659.00
56,082.23	62,417.50	21,451.10	26,003.65	144,421.93	34,617.62	228,342.73
7,296.98	14,327.72	4,769.73	6,967.92	51,085.78	5,028.47	23,025.81
638	660	420	438	2,039	344	1,304

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Highgate	Holstein	Huntsville	Ingersoll	Iroquois
Population.....	367	168	3,177	6,852	1,170
A. BALANCE SHEETS					
FIXED ASSETS					
Plant and facilities at cost.....	\$ 27,676.65	\$ 11,675.77	\$ 153,310.37	\$ 493,543.63	\$ 40,633.32
Accumulated depreciation.....	9,175.65	2,193.13	32,284.22	82,274.77	10,561.84
Net fixed assets.....	18,501.00	9,482.64	121,026.15	411,268.86	30,071.48
CURRENT ASSETS					
Cash on hand and in bank.....	2,608.20	1,683.82	25,605.79	100.00	9,310.99
Investment in government securities..	3,000.00	1,000.00	10,000.00		16,000.00
Accounts receivable.....	257.05		4,499.82	2,730.93	332.47
Total current assets.....	5,865.25	2,683.82	40,105.61	2,830.93	25,643.46
OTHER ASSETS					
Inventory of stores.....			6,459.69	11,487.74	448.69
Sinking fund on local debentures.....					
Miscellaneous.....	1,642.75		4,023.31	29,148.92	
Total other assets.....	1,642.75		10,483.00	40,636.66	448.69
Equity in Ontario Hydro systems.....	28,442.14	8,746.78	225,446.33	597,519.47	25,649.42
Total.....	54,451.14	20,913.24	397,061.09	1,052,255.92	81,813.05
LIABILITIES					
Debentures outstanding.....				62,528.25	
Accounts payable.....	3,889.18		1,847.20	5,322.29	95.06
Other.....	130.00	42.60	1,831.30	26,322.35	1,287.46
Total liabilities.....	4,019.18	42.60	3,678.50	94,172.89	1,382.52
RESERVES					
Equity in Ontario Hydro systems.....	28,442.14	8,746.78	225,446.33	597,519.47	25,649.42
Other.....				20.08	5,090.00
Total reserves.....	28,442.14	8,746.78	225,446.33	597,539.55	30,739.42
CAPITAL					
Debentures redeemed.....	5,000.00	2,762.05	15,697.39	97,271.75	
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds...	17,357.15	9,361.81	152,238.87	263,271.73	49,691.11
Frequency standardization expense charged this year.....	367.33				
Total capital.....	21,989.82	12,123.86	167,936.26	360,543.48	49,691.11
Total.....	54,451.14	20,913.24	397,061.09	1,052,255.92	81,813.05
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	10,462.87	4,259.77	130,663.62	270,994.19	39,518.47
Street lighting.....	856.68	343.45	4,787.76	9,183.23	1,691.38
Other.....	165.49	31.86	660.96	2,304.45	560.31
Total revenue.....	11,485.04	4,635.08	136,112.34	282,481.87	41,770.16
EXPENSE					
Power purchased.....	7,210.64	3,137.64	98,563.16	176,968.35	25,437.97
Local generation.....					
Operation and maintenance.....	555.76	445.18	12,540.06	22,913.71	2,966.68
Administration.....	769.11	533.85	9,046.31	27,295.19	6,186.63
Fixed charges—interest and principal..	167.14			6,067.43	
—depreciation.....	511.00	314.00	4,137.00	12,408.00	1,168.00
—other.....			59.35		
Total expense.....	9,213.65	4,430.67	124,345.88	245,652.68	35,759.28
Net income or net expense.....	2,271.39	204.41	11,766.46	36,829.19	6,010.88
Number of customers.....	156	91	1,182	2,289	360

Statements for the Year Ended December 31, 1957

Jarvis 707	Kemptville 1,748	Kincardine 2,644	Kingston 46,239	Kingsville 2,988	Kirkfield 211	Kitchener 62,076
\$ 51,568.99 13,971.10	\$ 96,372.91 21,282.90	\$ 186,815.68 45,564.01	\$ 3,793,166.09 960,008.80	\$ 193,969.13 44,560.97	\$ 18,170.74 3,208.09	\$ 6,901,240.36 1,142,936.72
37,597.89	75,090.01	141,251.67	2,833,157.29	149,408.16	14,962.65	5,758,303.64
7,862.81	11,214.20	23,201.55	441,626.05	15,866.80	309.64	66,406.43
.....	12,000.00	32,000.00	180,000.00	38,500.00	3,000.00	150,000.00
165.66	3,199.66	1,284.06	369,382.78	1,597.61	134.23	284,613.69
8,028.47	26,413.86	56,485.61	991,008.83	55,964.41	3,443.87	501,020.12
.....	11,420.26	72.85	218,388.01	447.30	.....	247,160.06
.....	.....	.....	248,305.65	262.21	1,000.00	1,736.78
1,500.00	11,420.26	72.85	466,693.66	709.51	1,000.00	248,896.84
46,469.08	84,992.06	162,687.02	1,252,423.72	147,273.16	9,843.25	4,571,741.97
93,595.44	197,916.19	360,497.15	5,543,283.50	353,355.24	29,249.77	11,079,962.57
.....	.....	.....	1,023,500.00	.....	.....	964,500.00
32.47	44.50	1,016.42	265,531.55	188.10	2,400.00	232,174.29
.....	658.48	819.32	90,847.45	3,579.75	6.00	32,916.88
32.47	702.98	1,835.74	1,379,879.00	3,767.85	2,406.00	1,229,591.17
46,469.08	84,992.06	162,687.02	1,252,423.72	147,273.16	9,843.25	4,571,741.97
.....	1,122.82	39.62	111,782.92	388.66	200.00	193,879.92
46,469.08	86,114.88	162,726.64	1,364,206.64	147,661.82	10,043.25	4,765,621.89
10,500.00	19,506.62	60,000.00	296,339.08	33,500.00	5,765.89	1,372,650.00
.....
36,593.89	91,591.71	135,934.77	2,502,858.78	170,574.61	11,034.63	3,841,892.03
.....	.....	.....	.....	2,149.04	.....	129,792.52
47,093.89	111,098.33	195,934.77	2,799,197.86	201,925.57	16,800.52	5,084,749.51
93,595.44	197,916.19	360,497.15	5,543,283.50	353,355.24	29,249.77	11,079,962.57
16,221.58	69,275.07	101,101.69	1,643,039.09	93,224.16	5,528.26	3,022,497.82
744.16	1,983.04	4,671.93	37,644.48	4,743.20	402.92	112,201.68
3.93	805.31	1,352.67	22,072.84	2,600.73	95.70	38,792.51
16,969.67	72,063.42	107,126.29	1,702,756.41	100,568.09	6,026.88	3,173,492.01
12,555.76	45,247.42	70,457.30	1,034,964.22	55,149.97	3,156.73	1,780,160.67
.....
252.41	8,113.35	12,222.26	177,431.48	12,736.79	1,070.83	358,559.02
1,326.49	5,237.74	5,390.77	215,223.96	11,311.80	478.92	174,283.07
.....	.....	.....	35,737.32	.....	38.62	194,174.14
1,514.00	2,662.00	5,197.00	60,872.32	5,414.00	483.00	145,614.00
.....	.....	.....	7,749.79	.....	.....	.....
15,648.66	61,260.51	93,267.33	1,531,979.09	84,612.56	5,228.10	2,652,790.90
1,321.01	10,802.91	13,858.96	170,777.32	15,955.53	798.78	520,701.11
255	698	1,148	14,818	1,201	97	19,701

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Lakefield	Lambeth	Lanark	Lancaster	La Salle
Population.....	1,970	1,579	915	622	2,830
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$ -	\$	\$
Plant and facilities at cost.....	116,526.72	73,899.80	37,070.02	23,820.31	160,807.27
Accumulated depreciation.....	32,395.34	15,053.64	5,257.87	7,341.58	30,325.48
Net fixed assets.....	84,131.38	58,846.16	31,812.15	16,478.73	130,481.79
CURRENT ASSETS					
Cash on hand and in bank.....	11,221.87	11,900.57	3,921.08	2,424.88	14,617.09
Investment in government securities..	65,000.00	.....	20,000.00	9,500.00	.....
Accounts receivable.....	595.66	2,110.55	101.46	1,122.89	7,590.71
Total current assets.....	76,817.53	14,011.12	24,022.54	13,047.77	22,207.80
OTHER ASSETS					
Inventory of stores.....	5,393.37	.....	.....	.....	303.78
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	38.63	121.62	.....	.....	.....
Total other assets.....	5,432.00	121.62	.....	.....	303.78
Equity in Ontario Hydro systems.....	68,527.20	41,130.71	23,276.17	18,824.71	64,737.83
Total.....	234,908.11	114,109.61	79,110.86	48,351.21	217,731.20
LIABILITIES					
Debentures outstanding.....	.....	17,234.22	.....	.....	.....
Accounts payable.....	108.71	832.68	.....	443.61	.....
Other.....	789.53	942.00	198.65	447.86	2,232.10
Total liabilities.....	898.24	19,008.90	198.65	891.47	2,232.10
RESERVES					
Equity in Ontario Hydro systems....	68,527.20	41,130.71	23,276.17	18,824.71	64,737.83
Other.....	640.00	54.18	.....	.....	500.00
Total reserves.....	69,167.20	41,184.89	23,276.17	18,824.71	65,237.83
CAPITAL					
Debentures redeemed.....	33,500.00	15,265.78	7,316.57	8,916.82	15,500.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds....	131,342.67	38,650.04	48,319.47	19,718.21	134,761.27
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	164,842.67	53,915.82	55,636.04	28,635.03	150,261.27
Total.....	234,908.11	114,109.61	79,110.86	48,351.21	217,731.20
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	51,348.34	42,444.48	14,511.24	11,147.58	77,472.72
Street lighting.....	2,020.83	1,967.00	726.32	589.85	2,582.77
Other.....	2,007.60	75.58	826.61	461.41	223.62
Total revenue.....	55,376.77	44,487.06	16,064.17	12,198.84	80,279.11
EXPENSE					
Power purchased.....	38,534.85	28,421.48	9,637.32	7,165.75	40,642.61
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	5,105.66	1,784.93	1,026.39	1,359.65	6,355.77
Administration.....	7,707.24	3,325.23	1,267.83	1,712.43	7,708.85
Fixed charges—interest and principal.	34.02	2,689.66	.....	.....	.....
—depreciation.....	3,745.00	1,955.00	896.00	435.00	3,959.00
—other.....	.....	50.00	.....	.....	500.00
Total expense.....	55,126.77	38,226.30	12,827.54	10,672.83	59,166.23
Net income or net expense.....	250.00	6,260.76	3,236.63	1,526.01	21,112.88
Number of customers.....	680	521	314	202	821

Statements for the Year Ended December 31, 1957

Leamington	Lindsay	Listowel	London	London Twp.	Long Branch	L'Orignal
8,316	10,331	3,438	98,318	34,181	10,532	1,050
\$ 464,481.81 112,692.47	\$ 820,238.23 168,590.00	\$ 330,605.75 100,717.82	\$ 8,218,103.00 2,208,889.52	\$ 121,663.95 25,986.09	\$ 513,927.70 36,717.76	\$ 66,936.29 17,466.64
351,789.34	651,648.23	229,887.93	6,009,213.48	95,677.86	477,209.94	49,469.65
36,160.39	932.42	27,534.68	474,281.54	21,813.37	11,175.49	10,395.00
2,000.00	.....	20,000.00	306,500.00	.....	3,000.00	.....
10,361.99	5,447.16	602.96	406,641.20	770.94	6,180.77	12.81
48,522.38	6,379.58	48,137.64	1,187,422.74	22,584.31	20,356.26	10,407.81
20,836.33	14,619.47	482.09	301,975.17	.....	.....	.....
79.47	.....	452.82	4,772.74	236.87	.....	1,075.41
20,915.80	14,619.47	934.91	306,747.91	236.87	.....	1,075.41
368,662.56	469,482.26	276,956.98	7,533,991.67	94,560.13	222,162.98	3,209.31
789,890.08	1,142,129.54	555,917.46	15,037,375.80	213,059.17	719,729.18	64,162.18
32,000.00	.....	55,591.20	500,000.00	25,812.07	.....	23,000.00
630.90	49.83	1,544.92	519,287.43	444.67	73,261.71	.....
8,573.15	7,385.60	1,392.04	84,239.02	1,265.12	13,175.49	200.00
41,204.05	7,435.43	58,528.16	1,103,526.45	27,521.86	86,437.20	23,200.00
368,662.56	469,482.26	276,956.98	7,533,991.67	94,560.13	222,162.98	3,209.31
24.00	.....	2,987.38	264,457.27	963.12	1,147.26	.....
368,686.56	469,482.26	279,944.36	7,798,448.94	95,523.25	223,310.24	3,209.31
54,000.00	130,000.00	57,598.69	1,731,900.00	26,187.93	40,304.60	5,000.00
325,999.47	535,211.85	159,846.25	4,422,667.08	63,826.13	369,677.14	32,752.87
.....	.....	.....	19,166.67	.....	.....	.....
379,999.47	665,211.85	217,444.94	6,135,400.41	90,014.06	409,981.74	37,752.87
789,890.08	1,142,129.54	555,917.46	15,037,375.80	213,059.17	719,729.18	64,162.18
271,271.60	415,073.17	149,800.13	3,439,144.46	77,964.92	321,057.68	22,173.79
11,405.92	7,862.01	5,143.85	130,794.74	1,998.78	8,711.16	1,196.33
1,757.47	3,554.66	1,094.87	74,606.82	417.02	516.15	148.07
284,434.99	426,489.84	156,038.85	3,644,546.02	80,380.72	330,284.99	23,518.19
181,802.46	223,826.98	95,452.25	2,078,718.36	51,080.44	221,855.85	8,937.08
20,615.94	50,008.89	11,256.54	411,752.04	7,129.91	18,361.77	2,144.66
25,553.77	33,141.90	10,426.26	280,177.88	6,792.97	26,065.82	2,202.44
3,530.00	3,103.37	6,517.97	45,443.96	3,017.10	2,554.97	2,200.00
12,608.00	20,579.00	9,636.00	144,259.00	3,492.00	9,780.00	1,904.00
244,110.17	330,660.14	133,289.02	2,960,351.24	71,512.42	278,618.41	17,388.18
40,324.82	95,829.70	22,749.83	684,194.78	8,868.30	51,666.58	6,130.01
2,981	3,590	1,406	30,896	940	3,912	316

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Lucan	Lucknow	Lynden	Madoc	Magnetawan
Population.....	910	920	503	1,440	253
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	61,735.21	76,179.56	29,257.74	113,168.78	23,132.35
Accumulated depreciation.....	18,139.81	10,080.65	8,042.05	23,042.81	4,764.53
Net fixed assets.....	43,595.40	66,098.91	21,215.69	90,125.97	18,367.82
CURRENT ASSETS					
Cash on hand and in bank.....	2,039.93	14,799.15	1,217.36	25,139.14	6,201.76
Investment in government securities..	5,500.00	9,000.00	3,000.00	7,000.00	4,000.00
Accounts receivable.....	162.96	808.19	854.14	1,448.25	16.84
Total current assets.....	7,702.89	24,607.34	5,071.50	33,587.39	10,218.60
OTHER ASSETS					
Inventory of stores.....				4,242.99	
Sinking fund on local debentures.....					
Miscellaneous.....	33.70	40.00			150.00
Total other assets.....	33.70	40.00		4,242.99	150.00
Equity in Ontario Hydro systems.....	58,720.59	71,936.69	36,586.87	44,002.04	1,558.28
Total.....	110,052.58	162,682.94	62,874.06	171,958.39	30,294.70
LIABILITIES					
Debentures outstanding.....					19,200.00
Accounts payable.....	4.42	3,704.42	772.11	9,356.66	404.11
Other.....	661.01	5.00	17.32	900.27	
Total liabilities.....	665.43	3,709.42	789.43	10,256.93	19,604.41
RESERVES					
Equity in Ontario Hydro systems....	58,720.59	71,936.69	36,586.87	44,002.04	1,558.28
Other.....		280.13			
Total reserves.....	58,720.59	72,216.82	36,586.87	44,002.04	1,558.28
CAPITAL					
Debentures redeemed.....	11,213.62	17,614.08	4,495.00	14,000.00	4,800.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	39,452.94	69,142.62	21,002.76	103,699.42	4,332.31
Frequency standardization expense charged this year.....					
Total capital.....	50,666.56	86,756.70	25,497.76	117,699.42	9,132.31
Total.....	110,052.58	162,682.94	62,874.06	171,958.39	30,294.70
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	30,799.36	28,638.91	13,274.14	45,844.09	6,833.43
Street lighting.....	1,464.36	2,213.86	581.81	3,451.89	513.76
Other.....	286.14	262.08	275.03	704.67	169.68
Total revenue.....	32,549.86	31,114.85	14,130.98	50,000.65	7,516.87
EXPENSE					
Power purchased.....	21,399.19	20,645.68	8,995.98	27,031.55	3,077.04
Local generation.....					
Operation and maintenance.....	1,668.06	1,968.30	1,196.26	3,536.63	515.18
Administration.....	2,026.32	3,253.00	1,092.55	4,481.17	501.27
Fixed charges—interest and principal. 70.39.....	70.39				2,016.00
—depreciation.....	1,877.00	1,856.00	847.00	2,960.00	562.00
—other.....					
Total expense.....	27,040.96	27,722.98	12,131.79	38,009.35	6,671.49
Net income or net expense.....	5,508.90	3,391.87	1,999.19	11,991.30	845.38
Number of customers.....	344	453	160	568	100

Statements for the Year Ended December 31, 1957

Markdale	Markham	Marmora	Martintown	Maxville	Meaford	Merlin
915	3,520	1,374	440	843	3,565	520
\$	\$	\$	\$	\$	\$	\$
55,545.92	220,101.44	71,779.39	20,254.13	51,921.22	229,843.13	56,545.29
8,761.24	31,679.90	25,603.44	4,508.11	8,160.76	43,883.32	16,490.68
46,784.68	188,421.54	46,175.95	15,746.02	43,760.46	185,959.81	40,054.61
11,140.39	8,592.52	1,804.24	6,943.71	6,089.48	23,653.17	6,535.95
291.72	2,595.09	3,000.00	1,283.00	1,500.00	440.44	675.53
11,432.11	11,187.61	5,019.31	8,226.71	8,081.34	24,093.61	7,211.48
101.27	1,633.52	6,728.16	454.79	3,698.62	3,194.44	
101.27	1,633.52	10,426.78	3,649.23	141,471.12	33,648.46	
39,536.61	82,684.63	29,408.17	8,298.34	32,365.13	141,471.12	33,648.46
97,854.67	282,293.78	82,236.95	32,271.07	84,206.93	361,951.32	84,563.78
3,008.05	25,200.10	636.10	137.00	527.07	2,729.25	
416.85	35,478.76	100.00	135.48	4,727.90	125.00	
3,424.90	61,463.86	955.00	736.10	272.48	5,254.97	2,854.25
39,536.61	82,684.63	29,408.17	8,298.34	32,365.13	141,471.12	33,648.46
39,536.61	355.35	81.02	295.87	295.87	100.50	13.58
39,536.61	83,039.98	29,408.17	8,379.36	32,661.00	141,571.17	33,662.04
6,370.29	14,173.53	15,091.58	5,346.73	13,642.40	47,724.76	13,122.36
48,522.87	123,616.41	36,782.20	17,808.88	37,631.05	167,400.42	34,925.13
54,893.16	137,789.94	51,873.78	23,155.61	51,273.45	215,125.18	48,047.49
97,854.67	282,293.78	82,236.95	32,271.07	84,206.93	361,951.32	84,563.78
27,696.76	111,566.85	37,719.20	8,744.92	21,779.04	113,539.78	16,023.55
1,674.93	2,844.90	1,371.06	265.09	1,184.60	4,626.09	725.46
4.18	127.67	300.19	18.08	211.35	1,426.03	2,783.35
29,375.87	114,539.42	39,390.45	9,028.09	23,174.99	119,591.90	19,532.36
20,370.82	70,605.02	24,036.46	4,470.33	13,926.37	80,515.61	10,147.99
2,859.32	6,262.67	4,633.23	219.82	2,177.13	10,093.12	1,321.00
1,669.19	6,884.20	2,832.48	654.42	1,128.52	10,202.31	4,450.14
1,403.00	4,377.79	1,404.00	556.00	1,310.00	5,929.00	1,650.00
26,302.33	93,386.68	32,906.17	5,900.57	18,542.02	106,740.04	17,569.13
3,073.54	21,152.74	6,484.28	3,127.52	4,632.97	12,851.86	1,963.23
407	1,109	489	120	300	1,470	241

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Merrickville	Merriton	Midland	Mildmay	Millbrook
Population.....	890	5,557	8,255	815	766
A. BALANCE SHEETS					
FIXED ASSETS					
Plant and facilities at cost.....	\$ 66,121.44	\$ 464,974.88	\$ 561,189.14	\$ 39,493.75	\$ 38,066.81
Accumulated depreciation.....	5,681.79	71,867.41	217,805.54	4,400.37	9,484.21
Net fixed assets.....	60,439.65	393,107.47	343,383.60	35,093.38	28,582.60
CURRENT ASSETS					
Cash on hand and in bank.....	1,596.18	54,880.25	34,694.13	2,003.58	16,085.98
Investment in government securities.....		87,000.00	190,000.00	13,000.00	11,000.00
Accounts receivable.....	4,543.27	2,139.06	18,930.24	31.20	312.62
Total current assets.....	6,139.45	144,019.31	243,624.37	15,034.78	27,398.60
OTHER ASSETS					
Inventory of stores.....		20,638.80	9,009.92		556.27
Sinking fund on local debentures.....					11,152.00
Miscellaneous.....		181.17	8,029.29		
Total other assets.....		20,819.97	17,039.21		11,708.27
Equity in Ontario Hydro systems.....	8,526.52	936,185.63	699,835.04	21,843.48	14,561.65
Total.....	75,105.62	1,494,132.38	1,303,882.22	71,971.64	82,251.12
LIABILITIES					
Debentures outstanding.....	18,100.00				
Accounts payable.....	1,229.23	2,333.07	150.00		11,248.18
Other.....	730.00	2,342.23	2,481.86	220.73	505.79
Total liabilities.....	20,059.23	4,675.30	2,631.86	220.73	11,753.97
RESERVES					
Equity in Ontario Hydro systems.....	8,526.52	936,185.63	699,835.04	21,843.48	14,561.65
Other.....			1,302.06		
Total reserves.....	8,526.52	936,185.63	701,137.10	21,843.48	14,561.65
CAPITAL					
Debentures redeemed.....	6,900.00	32,186.21	111,944.99	12,303.50	9,000.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	39,619.87	527,853.58	488,168.27	37,603.93	46,935.50
Frequency standardization expense charged this year.....		6,768.34			
Total capital.....	46,519.87	553,271.45	600,113.26	49,907.43	55,935.50
Total.....	75,105.62	1,494,132.38	1,303,882.22	71,971.64	82,251.12
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	22,410.50	670,805.93	296,016.60	19,292.01	23,123.49
Street lighting.....	2,046.84	2,733.85	7,572.28	1,087.09	1,091.40
Other.....	90.40	4,151.76	5,530.84	499.09	514.21
Total revenue.....	24,547.74	677,691.54	309,119.72	20,878.19	24,729.10
EXPENSE					
Power purchased.....	13,043.72	560,024.37	184,415.58	14,260.32	13,027.09
Local generation.....					
Operation and maintenance.....	1,957.94	26,240.89	29,203.51	3,044.84	1,649.35
Administration.....	2,406.88	24,373.47	14,506.96	1,675.69	2,929.52
Fixed charges—interest and principal.....	1,772.00				
—depreciation.....	1,397.00	10,799.00	11,675.00	912.00	1,067.00
—other.....					
Total expense.....	20,577.54	621,437.73	239,801.05	19,892.85	18,672.96
Net income or net expense.....	3,970.20	56,253.81	69,318.67	985.34	6,056.14
Number of customers.....	344	1,634	2,649	306	313

Statements for the Year Ended December 31, 1957

Milton	Milverton	Mimico	Mitchell	Moorefield	Morrisburg	Mount Brydges
4,497	1,082	13,838	2,159	309	2,145	832
\$ 396,206.57 63,606.80	\$ 71,384.66 13,764.56	\$ 786,377.56 164,003.44	\$ 204,764.99 48,621.50	\$ 19,727.56 4,633.60	\$ 107,396.17 11,103.27	\$ 44,871.51 7,677.77
332,599.77	57,620.10	622,374.12	156,143.49	15,093.96	96,292.90	37,193.74
29,339.52	18,625.57	63,084.77	21,938.13	1,076.32	16,094.14	301.44
.....	.....	115,000.00	8,000.00	1,000.00	11,000.00	1,000.00
2,290.31	297.21	10,236.37	3,131.94	187.05	2,284.11	1,391.93
31,629.83	18,922.78	188,321.14	33,070.07	2,263.37	29,378.25	2,693.37
4,385.42	134.00	2,271.61	8,529.91	.....	5,150.01	.....
29.19	445.00	547.62	120.19	20.25	.....	181.17
4,414.61	579.00	2,819.23	8,650.10	20.25	5,150.01	181.17
325,735.55	123,502.34	502,829.45	152,670.67	19,927.34	40,059.97	25,643.56
694,379.76	200,624.22	1,316,343.94	350,534.33	37,304.92	170,881.13	65,711.84
82,967.78	13,500.00	97,500.00	19,500.00	.....	.....	.....
4,379.07	2,996.43	2,176.49	531.46	322.04	779.21	2,860.68
4,214.03	.....	27,018.54	1,102.76	2.22	2,768.87	161.45
91,560.88	16,496.43	126,695.03	21,134.22	324.26	3,548.08	3,022.13
325,735.55	123,502.34	502,829.45	152,670.67	19,927.34	40,059.97	25,643.56
2,019.69	138.43	5,507.71	1,177.58	.....	.....	94.03
327,755.24	123,640.77	508,337.16	153,848.25	19,927.34	40,059.97	25,737.59
44,078.63	11,000.00	154,500.00	27,795.22	4,500.00	31,636.00	4,220.00
.....
230,985.01	49,487.02	526,811.75	147,756.64	12,553.32	95,637.08	32,732.12
.....
275,063.64	60,487.02	681,311.75	175,551.86	17,053.32	127,273.08	36,952.12
694,379.76	200,624.22	1,316,343.94	350,534.33	37,304.92	170,881.13	65,711.84
231,545.74	47,495.74	393,883.05	92,624.83	8,165.06	66,047.10	16,507.21
8,523.20	2,197.97	12,390.24	3,661.41	691.08	4,247.38	1,123.46
711.04	197.17	12,775.74	1,468.14	32.96	3,802.57	57.71
240,779.98	49,890.88	419,049.03	97,754.38	8,889.10	74,097.05	17,688.38
147,831.39	32,875.02	249,075.07	54,530.98	6,636.47	41,281.93	11,180.51
.....	.....	.....	.....	.....	1,760.11	.....
10,004.48	3,322.10	41,016.11	9,809.54	301.29	8,078.03	3,231.05
18,965.38	3,534.31	40,173.54	12,993.14	489.60	8,751.22	2,177.54
7,374.10	1,127.18	9,241.15	1,824.83	1.00	.....	.....
9,363.00	1,839.00	19,735.00	5,252.00	548.00	2,397.00	1,174.00
367.00	.....	.....	.....	.....	.....	.....
193,905.35	42,697.61	359,240.87	84,410.49	7,976.36	62,268.29	17,763.10
46,874.63	7,193.27	59,808.16	13,343.89	912.74	11,828.76	74.72
1,522	445	4,895	869	131	874	333

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Mount Forest 2,424	Napanee 4,362	Neustadt 479	Newboro 305	Newburgh 577
Population.....					
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	118,063.97	259,698.87	35,058.81	27,840.08	40,258.89
Accumulated depreciation.....	29,846.41	54,944.09	11,837.56	3,724.29	14,922.40
Net fixed assets.....	88,217.56	204,754.78	23,221.25	24,115.79	25,336.49
CURRENT ASSETS					
Cash on hand and in bank.....	35,687.77	29,321.52	2,997.35	434.00	3,873.64
Investment in government securities.....	20,000.00	40,000.00	21,200.00	5,000.00	3,000.00
Accounts receivable.....	1,816.94	10,464.92	82.30	326.28	271.70
Total current assets.....	57,504.71	79,786.44	24,279.65	5,760.28	7,145.34
OTHER ASSETS					
Inventory of stores.....	1,928.00	8,367.82			
Sinking fund on local debentures.....					
Miscellaneous.....					113.22
Total other assets.....	1,928.00	8,367.82			113.22
Equity in Ontario Hydro systems.....	122,814.60	197,586.34	20,209.08	1,967.06	4,598.03
Total.....	270,464.87	490,495.38	67,709.98	31,843.13	37,193.08
LIABILITIES					
Debentures outstanding.....				11,374.08	6,150.00
Accounts payable.....	512.11	2.55		1,512.15	192.89
Other.....	185.00	4,347.97	223.85	114.00	181.00
Total liabilities.....	697.11	4,350.52	223.85	13,000.23	6,523.89
RESERVES					
Equity in Ontario Hydro systems.....	122,814.60	197,586.34	20,209.08	1,967.06	4,598.03
Other.....					
Total reserves.....	122,814.60	197,586.34	20,209.08	1,967.06	4,598.03
CAPITAL					
Debentures redeemed.....	21,626.63	70,000.00	15,504.12	5,625.92	7,850.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	125,326.53	218,558.52	31,772.93	11,249.92	18,221.16
Frequency standardization expense charged this year.....					
Total capital.....	146,953.16	288,558.52	47,277.05	16,875.84	26,071.16
Total.....	270,464.87	490,495.38	67,709.98	31,843.13	37,193.08
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	77,011.32	161,999.23	12,469.77	6,040.99	14,841.27
Street lighting.....	3,120.95	3,871.35	736.92	494.28	436.24
Other.....	1,118.13	9,285.03	710.69	199.57	94.94
Total revenue.....	81,250.40	175,155.61	13,917.38	6,734.84	15,372.45
EXPENSE					
Power purchased.....	53,111.67	109,232.48	8,432.71	2,434.16	7,677.10
Local generation.....					
Operation and maintenance.....	7,085.32	13,766.46	813.38	532.60	975.93
Administration.....	5,556.58	24,654.04	1,691.11	785.82	1,750.89
Fixed charges—interest and principal.....			1.92	1,234.02	1,385.00
—depreciation.....	3,406.00	6,788.00	1,122.00	646.00	813.00
—other.....					
Total expense.....	69,159.57	154,440.98	12,061.12	5,632.60	12,601.92
Net income or net expense.....	12,090.83	20,714.63	1,856.26	1,102.24	2,770.53
Number of customers.....	927	1,621	200	130	180

Statements for the Year Ended December 31, 1957

Newbury 318	Newcastle 1,015	New Hamburg 2,018	Newmarket 7,500	New Toronto 10,080	Niagara 2,723	Niagara Falls 23,852
\$ 17,493.49 8,853.23	\$ 79,496.37 38,347.06	\$ 131,520.05 23,879.08	\$ 457,817.54 91,984.56	\$ 801,665.22 130,144.64	\$ 217,015.51 32,590.03	\$ 1,761,178.35 451,294.96
8,640.26	41,149.31	107,640.97	365,832.98	671,520.58	184,425.48	1,309,883.39
5,209.07	11,936.50	9,149.05	8,027.26	109,229.38	7,516.84	147,963.34
6,500.00	10,500.00	.....	.....	30,000.00	10,000.00	55,000.00
210.64	179.95	1,294.56	7,875.94	13,075.51	2,595.14	39,681.14
11,919.71	22,616.45	10,443.61	15,903.20	152,304.89	20,111.98	242,644.48
.....	2,233.60	1,845.38	23.73	14,109.72	15,662.05	68,977.68
.....
1,620.76	.....	42.00	119.13	820.99	.....	1,789.60
1,620.76	2,233.60	1,887.38	142.86	14,930.71	15,662.05	70,767.28
13,685.46	28,156.77	152,483.96	130,905.45	1,657,749.80	123,135.50	1,856,331.37
35,866.19	94,156.13	272,455.92	512,784.49	2,496,505.98	343,335.01	3,479,626.52
.....	.....	13,000.00	71,439.51	.....	27,828.82	.....
.....	62.31	71.09	1,129.09	64,039.96	137.26	141.73
114.24	.....	227.50	3,743.42	11,920.07	2,565.21	42,623.65
114.24	62.31	13,298.59	76,312.02	75,960.03	30,531.29	42,765.38
13,685.46	28,156.77	152,483.96	130,905.45	1,657,749.80	123,135.50	1,856,331.37
.....	.....	33.83	3,804.52	1,301.50	479.26	180.00
13,685.46	28,156.77	152,517.79	134,709.97	1,659,051.30	123,614.76	1,856,511.37
9,754.39	14,000.00	19,729.08	23,560.49	8,000.00	52,678.85	690,243.00
.....
12,312.10	51,937.05	87,028.06	278,202.01	753,494.65	136,510.11	890,106.77
.....	.....	117.60	.....	.....	.....	.....
22,066.49	65,937.05	106,639.54	301,762.50	761,494.65	189,188.96	1,580,349.77
35,866.19	94,156.13	272,455.92	512,784.49	2,496,505.98	343,335.01	3,479,626.52
5,784.41	38,023.54	70,614.14	262,928.15	795,752.34	96,577.13	916,005.19
391.90	1,621.78	2,478.61	8,925.91	13,164.12	3,852.73	38,094.80
280.59	476.00	342.86	783.95	7,906.74	454.62	2,511.26
6,456.90	40,121.32	73,435.61	272,638.01	816,823.20	100,884.48	956,611.25
4,343.78	20,578.74	43,797.89	177,517.39	682,681.97	68,167.15	574,771.57
.....
730.07	4,861.47	8,106.39	19,572.02	25,971.69	10,656.66	126,455.19
484.59	4,554.68	3,959.32	15,058.72	35,395.52	7,199.81	67,103.51
.....	1.15	1,437.94	6,429.11	.....	2,625.73	.....
427.00	1,165.00	3,195.00	11,950.00	19,787.00	5,345.00	49,570.00
.....
5,985.44	31,161.04	60,496.54	230,527.24	763,836.18	93,994.35	817,900.27
471.46	8,960.28	12,939.07	42,110.77	52,987.02	6,890.13	138,710.98
127	434	676	2,445	3,431	1,055	7,467

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	North York Twp.	Norwich	Norwood	Oakville	Oil Springs
Population.....	182,942	1,650	1,000	10,147	480
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	13,798,811.62	76,687.53	93,176.03	1,054,905.74	50,255.43
Accumulated depreciation.....	1,426,128.06	22,643.03	20,663.79	173,910.69	18,671.55
Net fixed assets.....	12,372,683.56	54,044.50	72,512.24	880,995.05	31,583.88
CURRENT ASSETS					
Cash on hand and in bank.....	538,909.45	9,887.60	12,602.07	82,927.95	8,342.36
Investment in government securities..	10,000.00	7,500.00	5,000.00	.....	11,000.00
Accounts receivable.....	157,044.14	1,093.82	2,175.79	24,753.12	44.44
Total current assets.....	705,953.59	18,481.42	19,777.86	107,681.07	19,386.80
OTHER ASSETS					
Inventory of stores.....	473,876.27	6,002.21	.....	45,202.40	413.60
Sinking fund on local debentures.....	115,423.67	.....	.....	.....	.....
Miscellaneous.....	11,662.64	8,363.07	1,635.62	1,487.89	125.41
Total other assets.....	600,962.58	14,365.28	1,635.62	46,690.29	539.01
Equity in Ontario Hydro systems.....	2,358,146.18	111,474.32	29,515.79	156,621.41	63,301.60
Total.....	16,037,745.91	198,365.52	123,441.51	1,191,987.82	114,811.29
LIABILITIES					
Debentures outstanding.....	6,962,080.93	.....	6,000.00	372,000.00	.....
Accounts payable.....	54,261.31	7,935.84	2,383.55	42,194.90	195.56
Other.....	227,774.64	1,260.00	772.87	22,964.07	35.00
Total liabilities.....	7,244,116.88	9,195.84	9,156.42	437,158.97	230.56
RESERVES					
Equity in Ontario Hydro systems.....	2,358,146.18	111,474.32	29,515.79	156,621.41	63,301.60
Other.....	214,527.75	77.18	.....	15,946.09	.....
Total reserves.....	2,572,673.93	111,551.50	29,515.79	172,567.50	63,301.60
CAPITAL					
Debentures redeemed.....	1,779,279.94	13,756.00	49,100.00	54,000.00	16,721.31
Local sinking fund.....	115,423.67	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	4,326,251.49	63,862.18	35,669.30	528,261.35	34,557.82
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	6,220,955.10	77,618.18	84,769.30	582,261.35	51,279.13
Total.....	16,037,745.91	198,365.52	123,441.51	1,191,987.82	114,811.29
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	6,599,917.21	54,477.96	30,045.21	482,565.76	14,390.16
Street lighting.....	120,424.39	2,490.83	2,083.02	14,989.46	775.78
Other.....	29,572.67	343.69	378.94	5,400.73	1,527.67
Total revenue.....	6,749,914.27	57,312.48	32,507.17	502,955.95	16,693.61
EXPENSE					
Power purchased.....	3,887,466.98	35,494.68	17,877.66	295,978.84	9,090.68
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	404,247.46	8,924.74	2,844.70	27,084.19	922.31
Administration.....	484,069.68	4,897.92	2,271.65	43,427.88	2,483.76
Fixed charges—interest and principal.....	601,516.01	.....	1,280.00	35,525.00	.....
—depreciation.....	293,640.00	2,170.00	2,569.00	25,520.00	1,018.00
—other.....	2,000.00	.....	.....	.....	.....
Total expense.....	5,672,940.13	51,487.34	26,843.01	427,535.91	13,514.75
Net Income or net expense.....	1,076,974.14	5,825.14	5,664.16	75,420.04	3,178.86
Number of customers.....	56,783	662	394	3,405	221

Statements for the Year Ended December 31, 1957

Omamee	Orangeville	Orillia	Orono	Oshawa	Ottawa	Otterville
850	4,126	13,973	751	52,143	225,738	698
\$	\$	\$	\$	\$	\$	\$
55,436.69	238,643.07	4,037,149.29	48,153.12	4,807,655.54	23,756,284.79	45,923.50
19,221.43	49,760.55	724,986.46	9,783.94	723,181.62	5,421,285.21	14,458.88
36,215.26	188,882.52	3,312,162.83	38,369.18	4,084,473.92	18,334,999.58	31,464.62
5,231.04	70.00	315.00	3,384.52	8,762.14	229,455.32	226.37
11,000.00	.....	94,899.08	10,000.00	499,894.50	543,000.00	2,000.00
189.66	1,808.66	41,250.55	270.14	204,077.10	936,533.04	180.82
16,420.70	1,878.66	136,464.63	13,654.66	712,733.74	1,708,988.36	2,407.19
996.41	8,749.24	88,753.77	1,997.94	113,442.52	420,618.95	.....
.....
.....	135.00	.....	40.00	3,760.23	13,803.53	4,061.51
996.41	8,884.24	88,753.77	2,037.94	117,202.75	434,422.48	4,061.51
16,472.92	173,266.37	41,417.28	13,214.79	2,595,107.87	3,420,848.19	29,961.40
70,105.29	372,911.79	3,578,798.51	67,276.57	7,509,518.28	23,899,258.61	67,894.72
.....	.....	958,000.00	.....	130,000.00	6,603,000.00	.....
22.20	21,365.85	27,182.42	40.21	183,968.98	592,918.55	5,225.34
181.83	2,218.00	12,199.96	260.00	68,350.67	29,513.74	223.88
204.03	23,583.85	997,382.38	300.21	382,319.65	7,225,432.29	5,449.22
16,472.92	173,266.37	41,417.28	13,214.79	2,595,107.87	3,420,848.19	29,961.40
44.72	50.00	94,899.08	.....	27,798.64	435,023.22	.....
16,517.64	173,316.37	136,316.36	13,214.79	2,622,906.51	3,855,871.41	29,961.40
12,000.00	25,594.32	1,444,000.00	8,000.00	372,622.40	3,377,000.00	4,500.00
.....
41,383.62	150,417.25	1,001,099.77	45,761.57	4,131,669.72	9,440,954.91	28,497.20
.....	.....	.....	.....	.....	.....	513.10
53,383.62	176,011.57	2,445,099.77	53,761.57	4,504,292.12	12,817,954.91	32,484.10
70,105.29	372,911.79	3,578,798.51	67,276.57	7,509,518.28	23,899,258.61	67,894.72
20,368.03	120,288.60	641,350.06	22,480.72	2,196,562.49	8,001,139.86	18,216.11
1,411.52	6,600.25	14,421.20	1,143.97	79,589.24	280,226.16	1,000.57
529.61	574.00	6,614.54	477.04	49,728.48	36,690.72	65.61
22,309.16	127,462.85	662,385.80	24,101.73	2,325,880.21	8,318,056.74	19,282.29
13,443.34	91,732.24	149,861.82	12,168.05	1,575,104.24	4,568,887.58	12,498.05
.....	.....	124,883.60	.....	.....	283,873.89	.....
3,125.98	10,229.38	90,984.58	1,901.83	119,297.86	875,623.01	842.90
2,197.68	7,532.48	74,051.69	3,972.56	144,293.56	580,922.13	1,756.18
.....	597.17	95,407.50	.....	26,130.33	525,400.33	1.17
1,084.00	6,249.00	76,004.00	1,264.00	113,464.00	621,329.00	1,406.00
.....	.....	.....	.....	.....	9,200.00	.....
19,851.00	116,340.27	611,193.19	19,306.44	1,978,289.99	7,465,235.94	16,504.30
2,458.16	11,122.58	51,192.61	4,795.29	347,590.22	852,820.80	2,777.99
292	1,534	5,038	338	16,370	76,353	276

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Owen Sound	Paisley	Palmerston	Paris	Parkhill
Population.....	17,485	757	1,545	5,698	1,036
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	1,042,121.63	59,901.24	121,146.11	433,176.23	99,896.17
Accumulated depreciation.....	168,077.03	12,530.54	39,331.91	119,621.20	13,880.09
Net fixed assets.....	874,044.60	47,370.70	81,814.20	313,555.03	86,016.08
CURRENT ASSETS					
Cash on hand and in bank.....	134,845.84	3,128.72	2,241.64	21,350.41	10,812.27
Investment in government securities..	70,000.00	8,000.00	20,600.00	.....	6,000.00
Accounts receivable.....	50,950.52	638.79	227.39	2,383.26	1,167.79
Total current assets.....	255,796.36	11,767.51	23,069.03	23,733.67	17,980.06
OTHER ASSETS					
Inventory of stores.....	48,999.14	.....	10,540.09	75.62	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	396.97	.....	160.00	40,873.21	108.53
Total other assets.....	49,396.11	.....	10,700.09	40,948.83	108.53
Equity in Ontario Hydro systems.....	876,479.55	38,147.85	135,273.32	352,063.77	66,816.97
Total	2,055,716.62	97,286.06	250,856.64	730,301.30	170,921.64
LIABILITIES					
Debentures outstanding.....	58,500.00	.....	.....	99,600.00	10,600.00
Accounts payable.....	36,038.34	96.54	31.20	2,521.67	3,373.59
Other.....	18,971.84	287.32	595.48	.....	302.32
Total liabilities.....	113,510.18	383.86	626.68	102,121.67	14,275.91
RESERVES					
Equity in Ontario Hydro systems.....	876,479.55	38,147.85	135,273.32	352,063.77	66,816.97
Other.....	1,522.46	.....	103.94	2,435.00	.....
Total reserves.....	878,002.01	38,147.85	135,377.26	354,498.77	66,816.97
CAPITAL					
Debentures redeemed.....	149,218.00	13,623.35	27,000.00	97,400.00	19,030.02
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	914,986.43	45,131.00	87,852.70	176,280.86	70,798.74
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	1,064,204.43	58,754.35	114,852.70	273,680.86	89,828.76
Total	2,055,716.62	97,286.06	250,856.64	730,301.30	170,921.64
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	562,248.11	22,160.14	51,511.61	169,659.24	40,472.09
Street lighting.....	17,824.10	1,467.56	4,253.76	11,587.42	3,155.92
Other.....	10,302.27	144.53	908.90	294.45	379.82
Total revenue	590,374.48	23,772.23	56,674.27	181,541.11	44,007.83
EXPENSE					
Power purchased.....	351,728.65	14,035.92	38,542.46	119,158.72	25,928.27
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	59,472.83	1,664.25	6,994.45	13,380.77	4,193.16
Administration.....	57,611.83	1,994.67	5,187.69	12,297.39	4,610.81
Fixed charges—interest and principal	8,611.19	.....	10.11	3,904.10	1,095.50
—depreciation.....	25,411.00	1,661.00	2,278.00	12,349.00	2,399.00
—other.....	.....	.....	.....	.....	.....
Total expense	502,835.50	19,355.84	53,012.71	161,089.98	38,226.74
Net income or net expense	87,538.98	4,416.39	3,661.56	20,451.13	5,781.09
Number of customers.....	5,921	328	609	1,910	488

Statements for the Year Ended December 31, 1957

Parry Sound 5,475	Pene- tanguishene 4,716	Perth 5,177	Peterborough 43,568	Petrolia 3,558	Picton 4,901	Plattsville 472
\$ 785,676.97 171,230.51	\$ 244,903.67 74,369.69	\$ 301,907.00 90,045.38	\$ 4,278,394.72 906,671.46	\$ 266,649.18 73,788.74	\$ 358,334.01 84,315.12	\$ 27,131.37 4,536.12
614,446.46	170,533.98	211,861.62	3,371,723.26	192,860.44	274,018.89	22,595.25
5,617.32	14,508.97	23,856.14	334,379.04	31,372.59	2,956.05	16,186.51
32,800.00	45,000.00	81,000.00	.....	.....	3,000.00	4,500.00
1,736.53	1,234.43	1,582.14	96,825.60	5,050.01	4,492.66	1,059.45
40,153.85	60,743.40	106,438.28	431,204.64	36,422.60	10,448.71	21,745.96
1,140.35	269.83	12,097.71	56,152.33	16,052.35	13,075.51	.....
.....	4,116.05	.....	4,060.34	244.28	.....	14,553.09
1,140.35	4,385.88	12,097.71	60,212.67	16,296.63	13,075.51	14,553.09
32,664.51	211,120.61	266,896.22	1,734,535.21	287,151.25	226,399.80	36,381.99
688,405.17	446,783.87	597,293.83	5,597,675.78	532,730.92	523,942.91	95,276.29
75,000.00	.....	.....	1,078,000.00	.....	44,399.93	.....
15,173.36	32.00	.....	116,726.59	1,032.39	10,009.32	13,000.65
7,410.08	1,587.50	4,213.64	3,121.06	3,618.30	10,491.52	.....
97,583.44	1,619.50	4,213.64	1,197,847.65	4,650.69	64,900.77	13,000.65
32,664.51	211,120.61	266,896.22	1,734,535.21	287,151.25	226,399.80	36,381.99
146.19	913.15	3,445.32	1,184.04	13.90	2,465.86	.....
32,810.70	212,033.76	270,341.54	1,735,719.25	287,165.15	228,865.66	36,381.99
393,500.00	36,982.95	85,045.30	681,610.67	50,000.00	18,782.39	5,237.00
.....
164,511.03	196,147.66	237,693.35	1,982,498.21	190,915.08	211,394.09	40,656.65
.....
558,011.03	233,130.61	322,738.65	2,664,108.88	240,915.08	230,176.48	45,893.65
688,405.17	446,783.87	597,293.83	5,597,675.78	532,730.92	523,942.91	95,276.29
146,192.05	114,399.38	149,509.94	1,677,475.77	113,775.12	155,102.27	25,269.74
6,505.67	4,326.07	7,151.30	62,991.49	6,121.08	5,595.56	737.40
1,351.60	2,718.64	4,384.17	6,744.70	1,608.11	1,451.62	235.53
154,049.32	121,444.09	161,045.41	1,747,211.96	121,504.31	162,149.45	26,242.67
55,225.94	68,182.91	112,960.82	1,041,791.68	59,335.70	107,327.39	20,199.78
29,933.81	.....	.....	.....	.....	.....	.....
24,629.25	12,997.71	12,780.93	184,073.09	18,919.56	15,258.90	690.83
19,471.32	8,625.88	13,347.96	109,820.95	14,174.12	13,996.23	578.59
6,393.51	.....	.....	85,938.38	.....	7,487.05	.....
14,728.00	7,545.00	5,403.00	112,183.00	8,135.00	9,869.00	657.00
.....
150,381.83	97,351.50	144,492.71	1,533,807.10	100,564.38	153,938.57	22,126.20
3,667.49	24,092.59	16,552.70	213,404.86	20,939.93	8,210.88	4,116.47
1,845	1,347	1,884	13,891	1,269	1,849	190

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Point Edward	Port Burwell	Port Colborne	Port Credit	Port Dalhousie
Population.....	2,568	711	14,634	6,201	3,298
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	200,311.28	67,404.92	791,033.56	450,160.85	192,891.86
Accumulated depreciation.....	37,593.20	22,677.00	84,552.50	58,768.91	15,572.79
Net fixed assets.....	162,718.08	44,727.92	706,481.06	391,391.94	177,319.07
CURRENT ASSETS					
Cash on hand and in bank.....	55,865.22	4,118.76	21,602.11	26,111.94	7,920.93
Investment in government securities..	37,000.00	.....	10,000.00	8,500.00	.....
Accounts receivable.....	3,300.78	425.88	1,748.06	27,893.15	7,902.99
Total current assets.....	96,166.00	4,544.64	33,350.17	62,505.09	15,823.92
OTHER ASSETS					
Inventory of stores.....	1,893.23	72.90	10,470.18	4,435.71	6,138.38
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	838.93	4,990.24	290.63	.....	555.93
Total other assets.....	2,732.16	5,063.14	10,760.81	4,435.71	6,694.31
Equity in Ontario Hydro systems.....	268,528.14	6,319.05	428,099.58	197,343.54	140,247.69
Total.....	530,144.38	60,654.75	1,178,691.62	655,676.28	340,084.99
LIABILITIES					
Debentures outstanding.....	.....	37,200.00	145,218.71	76,656.13	29,383.19
Accounts payable.....	1,537.61	144.79	1,177.13	37,572.31	4,085.15
Other.....	1,308.42	1,510.00	10,548.42	12,583.49	12,655.30
Total liabilities.....	2,846.03	38,854.79	156,944.26	126,811.93	46,123.64
RESERVES					
Equity in Ontario Hydro systems.....	268,528.14	6,319.05	428,099.58	197,343.54	140,247.69
Other.....	.....	1,245.00	300.00	5,797.51	134.00
Total reserves.....	268,528.14	7,564.05	428,399.58	203,141.05	140,381.69
CAPITAL					
Debentures redeemed.....	17,000.00	2,800.00	197,781.29	62,843.87	40,116.81
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	241,770.21	11,435.91	409,371.47	262,879.43	113,462.85
Frequency standardization expense charged this year.....	.....	.....	13,804.98	.....	.....
Total capital.....	258,770.21	14,235.91	593,347.78	325,723.30	153,579.66
Total.....	530,144.38	60,654.75	1,178,691.62	655,676.28	340,084.99
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	163,794.15	24,225.13	341,272.45	339,686.19	100,307.29
Street lighting.....	3,631.86	996.00	18,021.04	7,378.17	2,630.85
Other.....	2,692.90	8.50	1,209.69	2,003.43	58.86
Total revenue.....	170,118.91	25,229.63	360,503.18	349,067.79	102,997.00
EXPENSE					
Power purchased.....	120,755.61	8,711.67	192,452.92	238,558.99	54,169.91
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	6,411.73	4,887.14	40,606.73	16,618.31	9,325.49
Administration.....	15,469.98	3,271.00	40,065.55	20,269.40	15,145.22
Fixed charges—interest and principal.....	.....	2,959.02	15,902.24	13,472.71	5,283.71
—depreciation.....	5,065.00	2,010.00	17,798.00	10,124.00	3,978.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	147,702.32	21,838.83	306,825.44	299,043.41	87,902.33
Net income or net expense.....	22,416.59	3,390.80	53,677.74	50,024.38	15,094.67
Number of customers.....	779	429	4,471	2,506	1,043

Statements for the Year Ended December 31, 1957

Port Dover 2,767	Port Elgin 1,689	Port Hope 7,509	Port McNicoll 932	Port Perry 2,186	Port Rowan 782	Port Stanley 1,385
\$ 234,003.11 54,354.30	\$ 149,871.86 20,216.02	\$ 555,646.59 102,140.01	\$ 55,395.65 11,857.55	\$ 116,679.75 18,119.37	\$ 48,613.84 8,352.39	\$ 152,720.96 42,857.69
179,648.81	129,655.84	453,506.58	43,538.10	98,560.38	40,261.45	109,863.27
16,898.04	3,030.79	63,124.86	8,336.52	31,690.12	4,261.11	50.00
.....	1,500.00	.....	26,000.00	16,000.00	.....	18,000.00
1,372.13	383.94	1,428.02	4,002.78	767.92	1,525.22	997.51
18,270.17	4,914.73	64,552.88	38,339.30	48,458.04	5,786.33	19,047.51
.....	1,322.54	23,438.99	1,966.66	.....	.....	620.28
.....
18,692.92	240.47	96.32	.....	474.40	4,066.54	12,623.91
18,692.92	1,563.01	23,535.31	1,966.66	474.40	4,066.54	13,244.19
106,155.37	73,672.35	357,176.83	42,465.50	70,775.30	25,263.96	136,803.62
322,767.27	209,805.93	898,771.60	126,309.56	218,268.12	75,378.28	278,958.59
77,393.01	.....	136,100.00	.....	.....	.....	.....
7,672.66	477.79	2,003.95	.....	816.68	1,378.82	5,018.95
2,389.88	.....	22,933.94	436.90	1,287.55	265.83	799.39
87,455.55	477.79	161,037.89	436.90	2,104.23	1,644.65	5,818.34
106,155.37	73,672.35	357,176.83	42,465.50	70,775.30	25,263.96	136,803.62
5,460.67	119.24	12,446.02	59.70	100.00	.....	38.79
111,616.04	73,791.59	369,622.85	42,525.20	70,875.30	25,263.96	136,842.41
31,606.99	37,787.00	107,900.00	9,803.58	19,881.66	11,000.00	18,950.00
.....
92,088.69	97,749.55	260,210.86	73,543.88	125,406.93	37,469.67	117,347.84
.....
123,695.68	135,536.55	368,110.86	83,347.46	145,288.59	48,469.67	136,297.84
322,767.27	209,805.93	898,771.60	126,309.56	218,268.12	75,378.28	278,958.59
98,522.40	74,352.64	381,306.91	49,060.17	61,759.39	16,397.01	65,264.04
3,467.32	3,426.86	8,345.82	1,480.16	2,570.81	1,040.76	3,179.11
21.59	57.15	1,381.44	672.70	1,030.11	149.58	797.17
102,011.31	77,836.65	391,034.17	51,213.03	65,360.31	17,587.35	69,240.32
66,872.53	44,626.20	238,556.58	29,866.85	37,542.61	10,025.85	42,665.52
.....
8,925.35	8,434.15	33,363.75	3,526.12	5,044.06	1,520.15	10,913.99
6,164.42	8,894.24	27,473.72	2,890.47	4,686.80	978.63	7,858.79
6,396.85	.....	20,617.16	.....	.....	.....	25.07
5,965.00	3,433.00	13,798.00	1,472.00	2,908.00	1,191.00	4,333.00
.....
94,324.15	65,387.59	333,809.21	37,755.44	50,181.47	13,715.63	65,796.37
7,687.16	12,449.06	57,224.96	13,457.59	15,178.84	3,871.72	3,443.95
1,412	1,000	2,629	431	771	331	1,150

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Prescott	Preston	Priceville	Princeton	Queenston
Population.....	5,083	9,903	164	387	425
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	243,965.52	949,489.87	15,513.91	26,619.17	28,675.13
Accumulated depreciation.....	74,406.42	166,545.74	4,036.89	5,584.19	5,323.26
Net fixed assets.....	169,559.10	782,944.13	11,477.02	21,034.98	23,351.87
CURRENT ASSETS					
Cash on hand and in bank.....	35,746.41	9,331.69	3,543.93	752.29	6,905.77
Investment in government securities..	30,000.00	.....	3,000.00	3,000.00	8,000.00
Accounts receivable.....	3,311.67	7,584.31	59.50	856.49	608.54
Total current assets.....	69,058.08	16,916.00	6,603.43	4,608.78	15,514.31
OTHER ASSETS					
Inventory of stores.....	10,122.36	33,270.36	.....	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	1,000.00	2,147.76	.....	2,431.55	.....
Total other assets.....	11,122.36	35,418.12	.....	2,431.55	.....
Equity in Ontario Hydro systems.....	198,343.21	804,034.04	3,367.42	30,990.91	23,786.12
Total.....	448,082.75	1,639,312.29	21,447.87	59,066.22	62,652.30
LIABILITIES					
Debentures outstanding.....	4,000.00	260,500.00	4,175.00	.....	.....
Accounts payable.....	157.00	2,893.36	516.51	54.01	1,187.85
Other.....	3,013.40	6,767.82	.....	50.00	175.00
Total liabilities.....	7,170.40	270,161.18	4,691.51	104.01	1,362.85
RESERVES					
Equity in Ontario Hydro systems.....	198,343.21	804,034.04	3,367.42	30,990.91	23,786.12
Other.....	.....	5,909.64	.....	.....	.....
Total reserves.....	198,343.21	809,943.68	3,367.42	30,990.91	23,786.12
CAPITAL					
Debentures redeemed.....	20,170.99	217,300.00	7,991.10	3,550.00	9,500.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds....	222,398.15	375,096.29	5,397.84	24,421.30	28,103.33
Frequency standardization expense charged this year.....	.....	33,188.86	.....	.....	100.00
Total capital.....	242,569.14	559,207.43	13,388.94	27,971.30	37,503.33
Total.....	448,082.75	1,639,312.29	21,447.87	59,066.22	62,652.30
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	148,901.56	443,954.57	3,329.80	11,137.41	15,610.33
Street lighting.....	5,838.68	22,933.01	368.14	661.44	619.45
Other.....	1,643.18	753.60	135.88	246.56	180.00
Total revenue.....	156,383.42	467,641.18	3,833.82	12,045.41	16,409.78
EXPENSE					
Power purchased.....	98,395.70	279,205.44	1,601.18	9,071.39	10,570.14
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	13,144.46	44,716.84	436.29	364.95	812.40
Administration.....	15,094.30	20,752.47	375.80	767.85	877.87
Fixed charges—interest and principal..	1,485.50	28,068.55	441.87	.....	33.47
—depreciation.....	7,402.00	24,457.00	452.00	710.00	755.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	135,521.96	397,200.30	3,307.14	10,914.19	13,048.88
Net income or net expense.....	20,861.46	70,440.88	526.68	1,131.22	3,360.90
Number of customers.....	1,633	2,979	64	165	158

Statements for the Year Ended December 31, 1957

Renfrew	Richmond	Richmond Hill	Ridgetown	Ripley	Riverside	Rockland
8,433	813	10,932	2,450	458	14,798	2,803
\$	\$	\$	\$	\$	\$	\$
1,195,307.07	50,853.00	664,820.96	174,999.52	36,541.38	576,529.78	70,324.31
227,932.04	3,512.94	45,114.57	19,731.86	4,677.01	118,566.59	13,759.94
967,375.03	47,340.06	619,706.39	155,267.66	31,864.37	457,963.19	56,564.37
3,918.36	3,826.60	1,546.66	1,871.99	9,830.24	50,752.14	24,961.17
45,000.00	.....	.....	.....	5,000.00	.....	.....
31,238.65	1,313.64	8,620.20	1,061.69	83.45	9,474.42	7,707.63
80,157.01	5,140.24	10,166.86	2,933.68	14,913.69	60,226.56	32,668.80
16,866.50	.....	4,952.69	.....	.....	26,061.04	.....
.....	.....	892.91	4,960.36	.....	206.67	.....
16,866.50	.....	5,845.60	4,960.36	.....	26,267.71	.....
75,035.22	16,338.47	119,742.39	133,340.64	27,548.48	321,303.70	6,651.34
1,139,433.76	68,818.77	755,461.24	296,502.34	74,326.54	865,761.16	95,884.51
216,603.02	7,100.00	404,858.91	56,424.98	.....	46,502.42	22,000.00
11,732.09	.....	10,620.38	3,542.86	88.25	318.52	202.76
3,590.00	331.76	7,024.80	2,322.50	453.24	7,751.85	1,650.00
231,925.11	7,431.76	422,504.09	62,290.34	541.49	54,572.79	23,852.76
75,035.22	16,338.47	119,742.39	133,340.64	27,548.48	321,303.70	6,651.34
3,936.83	438.84	23,241.73	3,547.22	.....	332.45	1,046.60
78,972.05	16,777.31	142,984.12	136,887.86	27,548.48	321,636.15	7,697.94
554,633.71	6,787.33	32,341.09	25,031.01	12,744.49	115,997.58	3,000.00
.....
273,902.89	37,822.37	157,631.94	74,761.13	33,492.08	373,554.64	61,333.81
.....	.....	.....	2,468.00	.....	.....	.....
828,536.60	44,609.70	189,973.03	97,324.14	46,236.57	489,552.22	64,333.81
1,139,433.76	68,818.77	755,461.24	296,502.34	74,326.54	865,761.16	95,884.51
276,408.22	20,159.35	352,614.45	73,728.33	15,700.21	307,667.78	47,595.91
9,962.30	553.56	6,374.67	4,731.78	972.82	9,013.31	1,794.62
3,126.90	6.24	356.55	1,195.84	269.61	2,685.69	165.11
289,497.42	20,719.15	359,345.67	79,655.95	16,942.64	319,366.78	49,555.64
100,338.69	10,563.13	216,923.30	47,551.50	10,305.54	182,864.17	21,864.39
34,429.22	.....	.....	.....	.....	.....	.....
26,447.12	1,470.18	8,653.19	11,058.16	1,203.49	36,187.09	5,445.57
30,990.10	607.57	24,398.94	8,489.09	1,175.20	35,189.40	2,785.68
23,458.90	627.74	31,364.27	5,200.41	.....	10,101.06	2,012.50
26,959.00	1,037.00	13,073.00	3,877.00	897.00	14,959.00	1,826.00
.....	.....	250.00	.....	.....	282.71	.....
242,623.03	14,305.62	294,662.70	76,176.16	13,581.23	279,583.43	33,934.14
46,874.39	6,413.53	64,682.97	3,479.79	3,361.41	39,783.35	15,621.50
2,596	264	3,476	1,005	216	4,634	693

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Rockwood	Rodney	Rosseau	Russell	St. Catharines
Population.....	836	1,017	217	425	40,632
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	41,183.76	53,593.70	21,302.64	36,493.56	3,156,795.28
Accumulated depreciation.....	9,201.44	17,540.58	5,189.75	5,400.12	466,231.66
Net fixed assets.....	31,982.32	36,053.12	16,112.89	31,093.44	2,690,563.62
CURRENT ASSETS					
Cash on hand and in bank.....	8,810.44	1,007.75	2,681.30	4,335.27	179,699.24
Investment in government securities..	1,500.00	5,200.00	1,500.00	12,000.00	100,000.00
Accounts receivable.....	90.33	474.05	80.13	1,636.80	161,906.25
Total current assets.....	10,400.77	6,681.80	4,261.43	17,972.07	441,605.49
OTHER ASSETS					
Inventory of stores.....	88.83	40.00	.....	.....	104,985.37
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	53.32	82.21	.....	.....	3,948.81
Total other assets.....	142.15	122.21	.....	.....	108,934.18
Equity in Ontario Hydro systems.....	36,667.56	44,593.38	12,276.55	19,304.09	2,818,962.04
Total.....	79,192.80	87,450.51	32,650.87	68,369.60	6,060,065.33
LIABILITIES					
Debentures outstanding.....	7,451.95	.....	.....	.....	.....
Accounts payable.....	228.43	985.35	1,408.69	.....	235,355.79
Other.....	450.74	360.00	43.00	310.00	47,744.26
Total liabilities.....	8,131.12	1,345.35	1,451.69	310.00	283,100.05
RESERVES					
Equity in Ontario Hydro systems.....	36,667.56	44,593.38	12,276.55	19,304.09	2,818,962.04
Other.....	147.16	73.15	48.75	.....	2,369.41
Total reserves.....	36,814.72	44,666.53	12,325.30	19,304.09	2,821,331.45
CAPITAL					
Debentures redeemed.....	5,048.05	8,500.00	11,932.84	8,808.12	302,022.91
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds... ..	33,562.59	35,497.64	6,941.04	39,947.39	2,653,610.92
Frequency standardization expense charged this year.....	4,363.68	2,559.01	.....	.....	.....
Total capital.....	34,246.96	41,438.63	18,873.88	48,755.51	2,955,633.83
Total.....	79,192.80	87,450.51	32,650.87	68,369.60	6,060,065.33
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	22,575.85	24,776.10	5,491.53	11,502.31	2,150,282.48
Street lighting.....	920.28	1,585.16	482.04	1,011.07	50,520.88
Other.....	224.71	339.73	138.35	436.30	6,062.97
Total revenue.....	23,720.84	26,700.99	6,111.92	12,949.68	2,206,866.33
EXPENSE					
Power purchased.....	14,665.06	17,419.75	2,660.19	6,817.62	1,425,510.59
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	755.40	1,668.89	788.29	902.75	164,047.75
Administration.....	2,382.94	2,157.96	601.69	1,233.78	122,854.56
Fixed charges—interest and principal.....	588.65	100.22	.....	.....	.....
—depreciation.....	1,316.00	1,685.00	619.00	872.00	75,718.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	19,708.05	23,031.82	4,669.17	9,826.15	1,788,130.90
Net income or net expense.....	4,012.79	3,669.17	1,442.75	3,123.53	418,735.43
Number of customers.....	284	445	121	197	13,814

Statements for the Year Ended December 31, 1957

St. Clair Beach 1,020	St. George 686	St. Jacobs 725	St. Mary's 4,130	St. Thomas 19,202	Sandwich East Twp. 20,768	Sandwich West Twp. 20,747
\$ 73,633.98 12,736.38	\$ 40,165.27 2,979.49	\$ 43,978.87 7,728.33	\$ 389,435.56 102,469.39	\$ 1,365,113.16 390,228.79	\$ 1,177,196.91 182,747.64	\$ 1,410,473.43 204,603.77
60,897.60	37,185.78	36,250.54	286,966.17	974,884.37	994,449.27	1,205,869.66
4,400.46	476.47	2,623.02	11,214.99	300.00	114,159.39	200,963.44
.....	12,000.00	2,000.00	42,500.00	45,000.00	.....	.....
300.16	1,440.48	472.84	2,200.10	51,452.90	32,587.91	47,656.50
4,700.62	13,916.95	5,095.86	55,915.09	96,752.90	146,747.30	248,619.94
.....	.....	.....	24,456.06	46,796.27	21,783.83	19,674.97
.....
52.00	162.36	10.00	2,562.58	70,783.58	550.91	1,284.57
52.00	162.36	10.00	27,018.64	117,579.85	22,334.74	20,959.54
25,666.97	43,142.18	55,498.84	387,052.45	1,508,236.08	6,002.00	66,025.40
91,317.19	94,407.27	96,855.24	756,952.35	2,697,453.20	1,169,533.31	1,541,474.54
8,900.00	.....	.....	54,762.61	.....	1,020,000.00	1,167,000.00
1,653.79	231.50	47.66	12.27	65,815.21	12,589.76	9,408.94
365.00	639.20	.....	3,024.00	41,285.15	10,924.35	9,646.92
10,918.79	870.70	47.66	57,798.88	107,100.36	1,043,514.11	1,186,055.86
25,666.97	43,142.18	55,498.84	387,052.45	1,508,236.08	6,002.00	66,025.40
772.50	.....	.....	116.56	218.89	21,887.50	83,777.96
26,439.47	43,142.18	55,498.84	387,169.01	1,508,454.97	27,889.50	149,803.36
9,441.45	6,000.00	6,000.00	139,497.77	138,944.07	30,000.00	33,000.00
.....
44,615.48	46,993.67	35,308.74	172,486.69	980,007.47	68,129.70	172,615.32
98.00	2,599.28	.....	.....	37,053.67	.....	.....
53,958.93	50,394.39	41,308.74	311,984.46	1,081,897.87	98,129.70	205,615.32
91,317.19	94,407.27	96,855.24	756,952.35	2,697,453.20	1,169,533.31	1,541,474.54
35,810.62	19,513.59	22,772.45	154,992.87	726,214.66	532,149.79	652,801.36
1,305.59	1,276.20	1,143.55	6,618.89	19,973.69	11,662.78	.....
9.79	497.82	123.22	3,377.54	4,009.38	6,405.95	5,498.10
37,126.00	21,287.61	24,039.22	164,989.30	750,197.73	550,218.52	658,299.46
17,786.36	14,160.44	17,605.36	92,305.93	433,545.47	212,140.29	293,480.54
.....
3,145.78	858.67	648.08	15,482.90	103,796.95	73,216.34	69,560.46
2,441.04	1,713.08	1,275.12	18,808.00	69,361.58	74,896.74	46,762.06
1,572.50	.....	5,713.63	218.55	218.55	85,336.33	90,008.50
1,860.00	943.00	1,144.00	10,841.00	39,554.00	25,634.00	31,134.00
.....	.....	.....	.....	.....	500.00	.....
26,805.68	17,675.19	20,672.56	143,151.46	646,476.55	471,723.70	530,945.56
10,320.32	3,612.42	3,366.66	21,837.84	103,721.18	78,494.82	127,353.90
354	262	227	1,542	6,822	5,808	6,116

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Sarnia	Scarborough Twp.	Seaforth	Shelburne	Simcoe
Population.....	44,953	151,885	2,089	1,264	8,217
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	3,444,949.87	13,332,174.64	201,533.59	99,161.83	609,050.90
Accumulated depreciation.....	725,061.50	915,387.09	14,486.12	28,569.70	144,698.25
Net fixed assets.....	2,719,888.37	12,416,787.55	187,047.47	70,592.13	464,352.65
CURRENT ASSETS					
Cash on hand and in bank.....	600.00	506,341.62	18,036.81	3,909.88	30.00
Investment in government securities.....		1,127,500.00	9,000.00		
Accounts receivable.....	137,146.06	212,830.45	2,235.08	2,393.87	3,408.79
Total current assets.....	137,746.06	1,846,672.07	29,271.89	6,303.75	3,438.79
OTHER ASSETS					
Inventory of stores.....	195,423.70	171,808.13			21,680.58
Sinking fund on local debentures.....		101,610.44			
Miscellaneous.....	5,059.09	24,385.42	367.04		20,512.21
Total other assets.....	200,482.79	297,803.99	367.04		42,192.79
Equity in Ontario Hydro systems.....	2,311,925.94	1,793,157.81	188,753.50	68,765.68	416,122.17
Total.....	5,370,043.16	16,354,421.42	405,439.90	145,661.56	926,106.40
LIABILITIES					
Debentures outstanding.....	276,000.00	8,672,150.01	31,000.00		
Accounts payable.....	220,367.03	461,506.09	1,183.82	524.93	18,073.65
Other.....	143,749.33	697,620.24	2,620.25	116.00	9,091.92
Total liabilities.....	640,116.36	9,831,276.34	34,804.07	640.93	27,165.57
RESERVES					
Equity in Ontario Hydro systems.....	2,311,925.94	1,793,157.81	188,753.50	68,765.68	416,122.17
Other.....	12,597.85	171,061.91		48.52	
Total reserves.....	2,324,523.79	1,964,219.72	188,753.50	68,814.20	416,122.17
CAPITAL					
Debentures redeemed.....	512,000.00	1,154,127.46	44,000.00	16,991.04	75,434.90
Local sinking fund.....		101,610.44			
Accumulated net income invested in plant or held as working funds.....	1,893,403.01	3,303,187.46	137,882.33	59,215.39	407,383.76
Frequency standardization expense charged this year.....					
Total capital.....	2,405,403.01	4,558,925.36	181,882.33	76,206.43	482,818.66
Total.....	5,370,043.16	16,354,421.42	405,439.90	145,661.56	926,106.40
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	1,985,434.21	5,485,392.55	84,959.71	43,086.64	296,396.96
Street lighting.....	54,641.32	141,809.94	3,571.91	2,621.79	19,803.98
Other.....	28,373.66	47,847.87	797.91	79.42	1,042.43
Total revenue.....	2,068,449.19	5,675,050.36	89,329.53	45,787.85	317,243.37
EXPENSE					
Power purchased.....	1,295,469.43	3,300,956.82	45,971.01	33,119.59	197,434.15
Local generation.....					
Operation and maintenance.....	219,290.27	239,863.66	8,902.94	1,661.28	38,080.43
Administration.....	168,370.47	354,848.03	5,342.41	2,087.18	20,150.93
Fixed charges—interest and principal.....	41,685.32	636,296.35	3,778.16		561.08
—depreciation.....	86,513.00	270,728.00	4,255.00	2,954.00	16,670.00
—other.....	1,100.00	3,000.00			
Total expense.....	1,812,428.49	4,805,692.86	68,249.52	39,822.05	272,896.59
Net income or net expense.....	256,020.70	869,357.50	21,080.01	5,965.80	44,346.78
Number of customers.....	13,797	48,390	800	545	3,073

Statements for the Year Ended December 31, 1957

Smith's Falls	Smithville	Southampton	Springfield	Stamford Twp.	Stayner	Stirling
8,664	821	1,717	519	27,156	1,473	1,303
\$ 623,507.28 161,132.14	\$ 47,817.36 10,249.49	\$ 146,672.08 14,805.08	\$ 34,373.70 10,100.53	\$ 1,873,714.03 228,413.92	\$ 89,163.47 16,929.24	\$ 103,480.36 30,801.09
462,375.14	37,567.87	131,867.00	24,273.17	1,645,300.11	72,234.23	72,679.27
14,602.97	5,105.38	13,783.25	3,285.55	106,887.60	8,898.67	22,813.35
20,000.00	8,000.00	.....	500.00	8,000.00	1,000.00	.....
2,209.64	325.87	596.04	525.71	11,265.67	820.91	1,299.38
36,812.61	13,431.25	14,379.29	4,311.26	126,153.27	10,719.58	24,112.73
13,162.16	278.50	1,402.50	.....	40,351.20	.....	2,447.29
.....
.....	.16	82.00	2,318.73	2,336.09	.....	892.90
13,162.16	278.66	1,484.50	2,318.73	42,687.29	.....	3,340.19
414,665.60	23,487.87	70,801.68	26,026.15	481,642.09	62,465.14	42,998.94
927,015.51	74,765.65	218,532.47	56,929.31	2,295,782.76	145,418.95	143,131.13
15,000.00	.....	10,002.97	.....	893,336.36	3,900.18	10,363.44
143.27	491.83	39.89	80.15	12,318.86	.....	193.05
26.38	242.70	478.85	55.00	47,028.15	441.18	592.73
15,169.65	734.53	10,521.71	135.15	952,683.37	4,341.36	11,149.22
414,665.60	23,487.87	70,801.68	26,026.15	481,642.09	62,465.14	42,998.94
1,007.37	.....	.....	313.86	29,989.24	50.00	.....
415,672.97	23,487.87	70,801.68	26,340.01	511,631.33	62,515.14	42,998.94
132,787.33	15,000.00	32,519.96	9,500.00	421,941.81	9,557.26	12,636.56
.....
363,385.56	37,880.40	104,689.12	20,954.15	409,526.25	69,005.19	76,346.41
.....	2,337.15	.....	.....	.....	.....	.....
496,172.89	50,543.25	137,209.08	30,454.15	831,468.06	78,562.45	88,982.97
927,015.51	74,765.65	218,532.47	56,929.31	2,295,782.76	145,418.95	143,131.13
278,983.57	32,866.19	64,560.34	11,450.53	810,261.23	44,398.80	40,773.42
11,096.22	1,082.76	4,086.88	862.16	29,246.16	2,277.95	1,974.52
2,729.49	463.29	190.26	69.55	2,181.42	65.58	988.51
292,809.28	34,412.24	68,837.48	12,382.24	841,688.81	46,742.33	43,736.45
193,238.15	21,619.15	39,850.03	8,358.93	490,192.78	30,588.37	21,988.55
.....
19,384.44	3,498.80	8,815.47	649.22	95,942.86	2,489.46	5,737.20
31,823.64	5,027.79	5,058.78	1,320.19	54,041.41	3,274.98	5,278.27
3,255.02	.....	1,516.54	.....	79,448.44	.....	999.44
17,726.00	1,279.00	3,323.00	1,038.00	42,872.00	2,355.00	1,866.00
.....
265,427.25	31,424.74	58,563.82	11,366.34	762,497.49	38,707.81	35,869.46
27,382.03	2,987.50	10,273.66	1,015.90	79,191.32	8,034.52	7,866.99
3,172	379	1,060	175	7,861	584	505

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Stoney Creek	Stouffville	Stratford	Strathroy	Streetsville
Population.....	5,379	2,505	20,359	4,529	3,766
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	298,648.48	121,734.27	1,715,294.19	334,302.52	261,178.51
Accumulated depreciation.....	27,432.66	17,957.99	498,334.33	97,769.55	26,234.64
Net fixed assets.....	271,215.82	103,776.28	1,216,959.86	236,532.97	234,943.87
CURRENT ASSETS					
Cash on hand and in bank.....	36,114.56	15,085.88	2,000.00	16,930.70	25,100.76
Investment in government securities.....			180,000.00		
Accounts receivable.....	1,134.97	882.60	18,285.39	3,567.95	6,113.12
Total current assets.....	37,249.53	15,968.48	200,285.39	20,498.65	31,213.88
OTHER ASSETS					
Inventory of stores.....		153.17	45,628.44	251.59	233.90
Sinking fund on local debentures.....					
Miscellaneous.....			3,611.83	209.58	36.66
Total other assets.....		153.17	49,240.27	461.17	270.56
Equity in Ontario Hydro systems.....	44,356.80	78,155.06	1,718,557.86	289,505.35	50,535.13
Total.....	352,822.15	198,052.99	3,185,043.38	546,998.14	316,963.44
LIABILITIES					
Debentures outstanding.....	58,834.35	18,629.87		9,200.00	125,977.93
Accounts payable.....	6,236.87	25.02	172,811.58	853.52	3,410.19
Other.....	3,044.22	3,711.83	14,659.96	3,822.64	2,186.14
Total liabilities.....	68,115.44	22,366.72	187,471.54	13,876.16	131,574.26
RESERVES					
Equity in Ontario Hydro systems.....	44,356.80	78,155.06	1,718,557.86	289,505.35	50,535.13
Other.....	1,467.53	970.73	2,042.26	765.20	4,721.57
Total reserves.....	45,824.33	79,125.79	1,720,600.12	290,270.55	55,256.70
CAPITAL					
Debentures redeemed.....	21,165.65	16,044.03	455,800.00	54,688.85	26,567.15
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	237,377.55	80,516.45	827,962.37	188,162.58	103,565.33
Frequency standardization expense charged this year.....	19,660.82		6,790.65		
Total capital.....	238,882.38	96,560.48	1,276,971.72	242,851.43	130,132.48
Total.....	352,822.15	198,052.99	3,185,043.38	546,998.14	316,963.44
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	188,370.84	83,616.55	767,655.79	158,590.97	126,418.15
Street lighting.....	5,521.86	1,532.49	30,284.82	5,605.14	3,366.78
Other.....	778.52	269.61	10,298.26	510.19	1,200.00
Total revenue.....	194,671.22	85,418.65	808,238.87	164,706.30	130,984.93
EXPENSE					
Power purchased.....	104,745.38	56,867.50	479,699.22	102,548.26	83,389.79
Local generation.....					5,096.30
Operation and maintenance.....	8,172.40	4,144.03	115,259.52	17,899.14	4,604.20
Administration.....	12,742.51	5,691.24	64,738.29	15,493.24	8,203.27
Fixed charges—interest and principal.....	6,333.41	1,471.63	1,303.42	1,229.00	10,162.13
—depreciation.....	6,429.00	2,935.00	28,002.00	9,815.00	5,810.00
—other.....					150.00
Total expense.....	138,422.70	71,109.40	689,002.45	146,984.64	117,415.69
Net income or net expense.....	56,248.52	14,309.25	119,236.42	17,721.66	13,569.24
Number of customers.....	1,734	890	6,800	1,612	1,221

Statements for the Year Ended December 31, 1957

Sunderland 557	Sundridge 716	Sutton 1,308	Swansea 8,710	Tara 493	Tavistock 1,160	Tecumseh 4,212
\$ 40,918.20 6,610.18	\$ 60,142.08 5,529.26	\$ 119,081.76 27,564.56	\$ 534,773.61 95,928.68	\$ 35,253.21 8,971.76	\$ 96,597.85 26,371.37	\$ 181,119.65 52,778.19
34,308.02	54,612.82	91,517.20	438,844.93	26,281.45	70,226.48	128,341.46
.....	6,120.33	4,860.22	212,764.30	7,283.33	10,208.94	25,003.80
2,000.00	5,000.00	7,000.00	.....	8,000.00	.....	.....
330.32	1,368.49	3,357.91	5,009.41	146.42	341.09	5,391.34
2,330.32	12,488.82	15,218.13	217,773.71	15,429.75	10,550.03	30,395.14
.....	13.20	.....	524.06	.....	250.68	15,259.53
.....	.....	.....	120.14	.....	52.74	.....
500.00	13.20	.....	644.20	.....	303.42	15,259.53
32,717.70	4,064.31	69,675.61	366,244.48	29,256.29	137,906.10	99,877.41
69,856.04	71,179.15	176,410.94	1,023,507.32	70,967.49	218,986.03	273,873.54
.....	29,151.17	.....	100,919.80	.....	25,184.00	.....
611.82	2,604.78	5,233.06	2,478.90	.....	1,937.29	453.58
120.00	11.00	590.00	10,681.71	.....	.....	1,705.00
731.82	31,766.95	5,823.06	114,080.41	.....	27,121.29	2,158.58
32,717.70	4,064.31	69,675.61	366,244.48	29,256.29	137,906.10	99,877.41
25.00	.....	248.87	1,902.51	.....	1,187.10	.....
32,742.70	4,064.31	69,924.48	368,146.99	29,256.29	139,093.20	99,877.41
4,627.78	5,848.83	26,000.00	151,747.16	14,263.64	10,459.90	26,000.00
.....
31,753.74	29,499.06	74,663.40	389,532.76	27,447.56	42,311.64	146,148.75
.....	.....	.....	.....	.....	.....	311.20
36,381.52	35,347.89	100,663.40	541,279.92	41,711.20	52,771.54	171,837.55
69,856.04	71,179.15	176,410.94	1,023,507.32	70,967.49	218,986.03	273,873.54
18,394.71	22,132.53	52,046.10	298,814.44	13,941.19	46,448.62	82,926.42
1,259.20	754.81	2,525.52	12,439.02	967.41	1,730.88	2,666.52
147.28	6.29	219.79	4,792.50	295.49	264.06	1,925.84
19,801.19	22,893.63	54,791.41	316,045.96	15,204.09	48,443.56	87,518.78
12,633.76	10,394.57	37,820.65	181,847.09	9,244.98	29,526.70	42,894.27
.....
2,250.51	1,649.76	4,625.65	35,868.88	993.30	6,128.43	10,906.56
1,462.25	1,371.69	5,114.59	25,763.45	795.26	2,909.65	13,301.57
.....	2,808.90	.....	15,765.27	.....	2,276.10	240.00
998.00	1,120.00	3,308.00	13,234.00	992.00	2,708.00	3,235.00
.....	.....	.....	300.00	.....	.....	.....
17,344.52	17,344.92	50,868.89	272,778.69	12,025.54	43,548.88	70,577.40
2,456.67	5,548.71	3,922.52	43,267.27	3,178.55	4,894.68	16,941.38
248	287	854	3,074	229	487	1,290

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Teeswater	Thamesford	Thamesville	Thedford	Thornbury
Population.....	883	755	1,040	668	1,065
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	70,563.20	54,155.18	85,989.28	44,543.49	125,453.43
Accumulated depreciation.....	9,686.28	9,360.83	18,386.35	6,631.93	9,303.38
Net fixed assets.....	60,876.92	44,794.35	67,602.93	37,911.56	116,150.05
CURRENT ASSETS					
Cash on hand and in bank.....	3,941.79	.....	9,334.04	8,331.74	1,156.24
Investment in government securities..	15,000.00	.....	3,000.00	10,000.00	4,000.00
Accounts receivable.....	17.94	91.50	2,999.48	371.67	5,315.90
Total current assets.....	18,959.73	91.50	15,333.52	18,703.41	10,472.14
OTHER ASSETS					18.00
Inventory of stores.....	.....	.....	.....	.....	.....
Sinking fund on local debentures.....	.....	.....	6,181.97	284.42	.....
Miscellaneous.....	.....	.....	.....	.....	.....
Total other assets.....	.....	.....	6,181.97	284.42	18.00
Equity in Ontario Hydro systems.....	43,485.75	55,151.08	59,460.11	34,329.30	13,450.24
Total.....	123,322.40	100,036.93	148,578.53	91,228.69	140,090.43
LIABILITIES					
Debentures outstanding.....	.....	2,400.00	.....	.....	27,620.67
Accounts payable.....	1,139.32	1,780.44	563.15	.....	136.16
Other.....	49.00	333.12	1,088.70	269.03	345.00
Total liabilities.....	1,188.32	4,513.56	1,651.85	269.03	28,101.83
RESERVES					
Equity in Ontario Hydro systems.....	43,485.75	55,151.08	59,460.11	34,329.30	13,450.24
Other.....	.....	7.61	137.92	50.00	.....
Total reserves.....	43,485.75	55,158.69	59,598.03	34,379.30	13,450.24
CAPITAL					
Debentures redeemed.....	21,296.14	5,958.03	11,187.80	16,500.00	58,379.33
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	57,352.19	34,406.65	76,140.85	40,080.36	40,159.03
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	78,648.33	40,364.68	87,328.65	56,580.36	98,538.36
Total.....	123,322.40	100,036.93	148,578.53	91,228.69	140,090.43
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	27,896.87	30,426.97	44,757.82	19,867.54	38,409.17
Street lighting.....	1,243.29	656.37	2,446.82	1,625.40	2,366.08
Other.....	589.63	5.65	327.67	352.54	243.43
Total revenue.....	29,729.79	31,088.99	47,532.31	21,845.48	41,018.68
EXPENSE					
Power purchased.....	17,588.84	19,876.09	24,735.25	13,676.82	20,688.02
Local generation.....	.....	.....	.....	.....	6,319.61
Operation and maintenance.....	2,000.90	2,210.40	2,236.73	1,680.19	2,626.19
Administration.....	1,951.92	1,662.88	3,254.56	1,777.96	3,116.63
Fixed charges—interest and principal.....	.....	201.87	225.62	.....	2,910.92
—depreciation.....	1,750.00	1,346.00	2,345.00	1,091.00	1,886.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	23,291.66	25,297.24	32,797.16	18,225.97	37,547.37
Net income or net expense.....	6,438.13	5,791.75	14,735.15	3,619.51	3,471.31
Number of customers.....	345	296	435	286	500

Statements for the Year Ended December 31, 1957

Thorndale 347	Thornton 296	Thorold 8,180	Tilbury 3,030	Tillsonburg 6,239	Toronto 662,507
\$ 26,942.27 7,677.46	\$ 16,099.97 8,972.17	\$ 487,785.58 69,786.43	\$ 196,342.82 52,511.17	\$ 634,062.34 43,342.42	\$ 86,369,845.84 25,238,975.95
19,264.81	7,127.80	417,999.15	143,831.65	590,719.92	61,130,869.89
7,534.77	3,011.45	29,568.51	7,010.17	200.00	87,954.34
1,000.00	.....	.....	10,000.00	.....	2,002,284.00
101.48	367.81	4,414.51	1,991.49	1,335.93	5,050,648.69
8,636.25	3,379.26	33,983.02	19,001.66	1,535.93	7,140,887.03
.....	.....	19,991.05	210.80	5,754.35	3,214,407.16
.....	.....	425.01	11,481.85	37,309.41	45,219.38
.....	.....	20,416.06	11,692.65	43,063.76	3,259,626.54
26,573.70	10,622.88	453,916.90	180,810.18	307,391.07	63,895,784.20
54,474.76	21,129.94	926,315.13	355,336.14	942,710.68	135,427,167.66
.....	.....	107,723.00	47,500.00	126,241.88	9,081,100.00
1,191.21	.....	2,120.25	.....	23,219.56	3,502,614.43
6.00	72.50	5,472.50	855.33	11,963.96	354,181.86
1,197.21	72.50	115,315.75	48,355.33	161,425.40	12,937,896.29
26,573.70	10,622.88	453,916.90	180,810.18	307,391.07	63,895,784.20
27.73	.....	320.00	4,332.56	3,247.86	2,186,793.14
26,601.43	10,622.88	454,236.90	185,142.74	310,638.93	66,082,577.34
3,086.48	7,199.65	22,277.00	16,500.00	89,758.12	30,202,934.57
.....
23,589.64	3,234.91	336,569.37	105,743.07	380,888.23	26,203,759.46
.....	.....	2,083.89	405.00	.....	.....
26,676.12	10,434.56	356,762.48	121,838.07	470,646.35	56,406,694.03
54,474.76	21,129.94	926,315.13	355,336.14	942,710.68	135,427,167.66
11,600.20	5,530.94	475,719.63	92,027.18	248,409.27	33,024,208.37
987.17	288.75	10,077.65	6,156.62	13,846.26	837,828.16
32.41	.65	262.48	1,328.63	2,491.85	431,124.41
12,619.78	5,820.34	486,059.76	99,512.43	264,747.38	34,293,160.94
7,941.01	3,770.30	376,804.04	56,145.63	130,335.28	19,397,246.65
.....
939.67	639.29	53,886.75	9,575.42	31,027.80	4,168,341.16
1,029.73	219.69	24,279.84	10,313.65	25,186.95	3,616,104.42
.....	.....	9,310.07	4,667.50	15,563.44	681,328.55
806.00	419.00	11,534.00	5,486.00	12,577.00	2,779,084.36
.....
10,716.41	5,048.28	475,814.70	86,188.20	214,690.47	30,642,105.14
1,903.37	772.06	10,245.06	13,324.23	50,056.91	3,651,055.80
135	104	2,429	1,066	2,356	201,881

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Toronto Twp. 48,446	Tottenham 737	Trafalgar Twp. 18,430	Trenton 11,321	Tweed 1,645
Population.....					
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	4,005,530.97	34,722.36	1,253,263.19	832,021.95	128,728.16
Accumulated depreciation.....	404,968.61	6,857.90	31,788.76	199,858.88	12,223.26
Net fixed assets.....	3,600,562.36	27,864.46	1,221,474.43	632,163.07	116,504.90
CURRENT ASSETS					
Cash on hand and in bank.....	429,963.38	4,148.63	39,243.29	33,210.32	8,470.41
Investment in government securities.....	308,000.00	5,500.00	.....	65,000.00	24,500.00
Accounts receivable.....	189,250.28	1,376.10	18,597.45	11,371.37	1,023.16
Total current assets.....	927,213.66	11,024.73	57,840.74	109,581.69	33,993.57
OTHER ASSETS					
Inventory of stores.....	113,366.12	30.00	62,686.23	19,408.66	614.93
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	1,473.41	.....	755.25	203.80	.....
Total other assets.....	114,839.53	30.00	63,441.48	19,612.46	614.93
Equity in Ontario Hydro systems.....	843,931.82	34,879.46	120,244.98	502,525.98	53,360.48
Total	5,486,547.37	73,798.65	1,463,001.63	1,263,883.20	204,473.88
LIABILITIES					
Debentures outstanding.....	1,253,746.81	4,537.79	867,490.89	.....	.....
Accounts payable.....	210,820.72	11.00	14,479.87	4,273.37	62.26
Other.....	165,155.12	593.25	12,245.21	15,160.22	481.00
Total liabilities.....	1,629,722.65	5,142.04	894,215.97	19,433.59	543.26
RESERVES					
Equity in Ontario Hydro systems.....	843,931.82	34,879.46	120,244.98	502,525.98	53,360.48
Other.....	53,065.05	.....	21,986.79	.....	352.30
Total reserves.....	896,996.87	34,879.46	142,231.77	502,525.98	53,712.78
CAPITAL					
Debentures redeemed.....	375,253.25	16,897.18	98,796.67	164,586.70	19,000.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	2,584,574.60	16,879.97	327,757.22	577,336.93	131,217.84
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	2,959,827.85	33,777.15	426,553.89	741,923.63	150,217.84
Total	5,486,547.37	73,798.65	1,463,001.63	1,263,883.20	204,473.88
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	2,480,944.53	18,644.50	540,520.45	528,246.71	41,208.38
Street lighting.....	50,236.71	1,341.18	1,161.75	11,263.50	3,043.03
Other.....	10,026.82	285.51	4,125.82	3,687.62	1,059.29
Total revenue	2,541,208.06	20,271.19	545,808.02	543,197.83	45,310.70
EXPENSE					
Power purchased.....	1,490,736.59	12,148.45	262,508.00	411,800.18	27,556.02
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	142,433.55	1,676.14	59,869.35	17,237.42	4,116.65
Administration.....	126,518.76	1,141.59	34,327.80	23,989.03	4,189.27
Fixed charges—interest and principal.....	116,967.95	838.98	57,592.51	.....	.....
—depreciation.....	85,942.00	909.00	19,502.00	22,419.00	2,961.00
—other.....	6,202.00	.....	498.08	.....	.....
Total expense	1,968,800.85	16,714.16	434,297.74	475,445.63	38,822.94
Net income or net expense	572,407.21	3,557.03	111,510.28	67,752.20	6,487.76
Number of customers.....	12,491	270	4,453	3,678	598

Statements for the Year Ended December 31, 1957

Uxbridge	Vankleek Hill	Victoria Harbour	Walkerton	Wallaceburg	Wardsville
2,136	1,654	881	3,663	7,907	297
\$ 119,327.86 19,595.34	\$ 101,910.67 19,167.83	\$ 49,683.24 8,349.84	\$ 197,808.78 19,789.51	\$ 808,272.91 185,592.05	\$ 21,722.99 5,801.75
99,732.52	82,742.84	41,333.40	178,019.27	622,680.86	15,921.24
13,996.46	7,530.77	1,761.70	52,180.75	93,334.72	643.01
12,500.00	.....	.....	34,500.00	42,000.00	1,500.00
570.90	105.55	1,618.51	1,392.32	6,764.64	246.73
27,067.36	7,636.32	3,380.21	88,073.07	142,099.36	2,389.74
3,201.79	.....	1,689.34	12,271.90	57,629.10	.....
10,505.71	.....	.....	259.00	.....	1,810.61
13,707.50	.....	1,689.34	12,530.90	57,629.10	1,810.61
74,473.09	4,872.14	22,388.11	122,657.40	753,970.36	13,774.15
214,980.47	95,251.30	68,791.06	401,280.64	1,576,379.68	33,895.74
.....	39,700.00	11,720.89	.....	.....	.....
1,826.72	2,724.45	778.14	1,576.11	16.50	406.16
1,651.58	.....	5.00	2,518.00	6,289.51	1,580.00
3,478.30	42,424.45	12,504.03	4,094.11	6,306.01	1,986.16
74,473.09	4,872.14	22,388.11	122,657.40	753,970.36	13,774.15
210.78	2,025.00	100.00	572.98	132.00	25.22
74,683.87	6,897.14	22,488.11	123,230.38	754,102.36	13,799.37
15,364.09	6,300.00	7,157.81	56,748.57	71,536.58	7,562.40
.....
121,454.21	39,629.71	26,641.11	217,207.58	744,434.73	10,547.81
.....
136,818.30	45,929.71	33,798.92	273,956.15	815,971.31	18,110.21
214,980.47	95,251.30	68,791.06	401,280.64	1,576,379.68	33,895.74
70,099.20	34,885.88	17,951.05	118,033.88	438,601.48	7,473.75
2,749.62	2,911.77	792.79	5,061.89	10,403.39	413.83
617.41	375.16	9.31	2,514.18	4,500.39	82.01
73,466.23	38,172.81	18,753.15	125,609.95	453,505.26	7,969.59
48,146.31	15,624.00	8,894.56	79,273.69	277,744.01	5,452.98
.....
6,382.52	3,674.51	2,615.35	7,952.68	30,214.32	536.62
5,722.26	3,649.79	1,313.36	11,407.20	36,845.69	522.62
.....	3,563.00	1,230.05	.....	.....	41.07
2,983.00	2,576.00	1,286.00	4,534.00	22,125.00	631.00
.....	.....	.....	100.00	.....	.....
63,234.09	29,087.30	15,339.32	103,267.57	366,929.02	7,184.29
10,232.14	9,085.51	3,413.83	22,342.38	86,576.24	785.30
828	518	451	1,247	2,818	134

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Warkworth	Wasaga Beach	Waterdown	Waterford	Waterloo
Population	515	507	1,787	1,968	17,323
A. BALANCE SHEETS					
FIXED ASSETS					
Plant and facilities at cost.....	\$ 33,552.82	\$ 141,626.78	\$ 100,525.41	\$ 101,137.38	\$ 1,434,784.84
Accumulated depreciation.....	8,064.58	33,068.26	23,598.86	24,195.19	268,497.50
Net fixed assets	25,488.24	108,558.52	76,926.55	76,942.19	1,166,287.34
CURRENT ASSETS					
Cash on hand and in bank.....	4,570.16	12,264.11	4,393.86	1,154.30	39,847.08
Investment in government securities..	3,000.00	15,000.00	.....	.....	24,782.75
Accounts receivable.....	109.00	2,735.67	1,112.31	431.02	16,673.28
Total current assets.....	7,679.16	29,999.78	5,506.17	1,585.32	81,303.11
OTHER ASSETS					
Inventory of stores.....	.....	600.00	.....	.....	52,310.82
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous .....	.....	1,400.00	52.00	13,941.93	128.65
Total other assets .....	.....	2,000.00	52.00	13,941.93	52,439.47
Equity in Ontario Hydro systems.....	16,235.54	7,633.02	71,087.45	99,466.71	960,315.83
Total	49,402.94	148,191.32	153,572.17	191,936.15	2,260,345.75
LIABILITIES					
Debentures outstanding.....	.....	79,500.00	12,000.00	20,000.00	525,500.00
Accounts payable.....	25.09	930.55	.....	359.20	60,661.85
Other.....	113.68	350.00	253.88	584.15	14,100.00
Total liabilities.....	138.77	80,780.55	12,253.88	20,943.35	600,261.85
RESERVES					
Equity in Ontario Hydro systems.....	16,235.54	7,633.02	71,087.45	99,466.71	960,315.83
Other.....	.....	200.00	266.66	1,000.00	9,200.93
Total reserves.....	16,235.54	7,833.02	71,354.11	100,466.71	969,516.76
CAPITAL					
Debentures redeemed	11,000.00	30,500.00	11,000.00	7,745.53	230,500.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	22,028.63	29,077.75	58,964.18	62,780.56	507,179.17
Frequency standardization expense charged this year.....	.....	.....	.....	.....	47,112.03
Total capital.....	33,028.63	59,577.75	69,964.18	70,526.09	690,567.14
Total.....	49,402.94	148,191.32	153,572.17	191,936.15	2,260,345.75
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	12,645.32	47,955.71	50,251.98	45,247.16	679,442.32
Street lighting	631.97	2,491.56	2,670.66	2,391.30	27,472.26
Other.....	112.32	445.73	366.32	30.61	3,103.94
Total revenue.....	13,389.61	50,893.00	53,288.96	47,669.07	710,018.52
EXPENSE					
Power purchased	7,705.04	24,364.54	33,410.88	31,413.39	454,233.14
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	547.71	4,990.33	7,085.60	5,561.04	43,930.87
Administration.....	672.93	6,324.63	3,391.01	2,366.78	38,879.43
Fixed charges—interest and principal.....	.....	7,579.35	1,641.66	1,222.24	55,373.75
—depreciation.....	869.00	3,745.00	2,809.00	2,787.00	36,863.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	9,794.68	47,003.85	48,338.15	43,350.45	629,280.19
Net income or net expense.....	3,594.93	3,889.15	4,950.81	4,318.62	80,738.33
Number of customers.....	240	974	575	789	5,395

Statements for the Year Ended December 31, 1957

Watford 1,159	Waubashene (V.A.)	Welland 17,324	Wellesley 5,089	Wellington 1,019	West Lorne 1,078	Weston 9,404
\$ 80,628.76 23,811.98	\$ 40,097.75 5,966.92	\$ 1,488,103.14 305,124.47	\$ 38,635.18 5,293.91	\$ 61,469.18 23,091.84	\$ 97,928.59 25,831.58	\$ 858,348.23 155,968.10
56,816.78	34,130.83	1,182,978.67	33,341.27	38,377.34	72,097.01	702,380.13
4,704.62	244.22	16,877.19	2,590.18	3,196.65	10,853.71	105,071.47
13,000.00	.....	22,000.00	1,000.00	20,000.00	.....	.....
1,934.89	378.09	179,669.89	318.88	401.34	596.81	9,987.62
19,639.51	622.31	218,547.08	3,909.06	23,597.99	11,450.52	115,059.09
681.49	573.50	54,078.52	.....	2,946.27	1,718.14	26,899.96
35.65	15.87	1,654.61	.....	.....	67.20	10,043.03 723.71
717.14	589.37	55,733.13	.....	2,946.27	1,650.94	37,666.70
86,623.96	19,056.55	1,183,353.31	45,772.49	42,590.14	89,479.99	797,840.47
163,797.39	54,399.06	2,640,612.19	83,022.82	107,511.74	174,678.46	1,652,946.39
.....	.....	516,750.00	4,600.00	.....	.....	200,412.80
103.72	2,380.60	22,000.62	1,359.04	311.29	25.97	5,353.33
635.90	55.00	23,227.90	10.00	657.70	105.00	9,705.00
739.62	2,435.60	561,978.52	5,969.04	968.99	130.97	215,471.13
86,623.96	19,056.55	1,183,353.31	45,772.49	42,590.14	89,479.99	797,840.47
.....	27.46	1,900.72	169.63	.....	6.83	12,636.53
86,623.96	19,084.01	1,185,254.03	45,942.12	42,590.14	89,486.82	810,477.00
9,055.77	3,242.34	287,500.00	7,900.00	13,816.12	8,000.00	106,332.44
.....	.....	.....	.....	.....	.....	10,043.03
67,378.04	29,637.11	607,866.89	23,211.66	50,136.49	79,029.02	510,622.79
.....	.....	1,987.25	.....	.....	1,968.35	.....
76,433.81	32,879.45	893,379.64	31,111.66	63,952.61	85,060.67	626,998.26
163,797.39	54,399.06	2,640,612.19	83,022.82	107,511.74	174,678.46	1,652,946.39
51,413.79	17,824.95	686,679.26	19,832.31	27,726.78	54,413.47	431,669.07
1,446.04	757.57	27,303.45	1,285.78	1,423.20	2,452.30	14,518.14
632.09	75.75	2,412.75	31.33	860.79	3,029.43	4,535.99
53,491.92	18,658.27	716,395.46	21,149.42	30,010.77	59,895.20	450,723.20
37,849.83	9,517.06	474,494.16	13,778.78	20,070.04	38,231.52	286,516.99
3,546.11	2,514.97	83,184.37	1,844.08	4,016.33	4,737.36	33,559.16
5,973.87	1,723.65	59,997.70	1,177.42	3,226.12	5,204.78	35,785.10
.....	99.50	27,220.93	412.25	.....	.....	19,731.99
2,376.00	980.00	38,505.00	1,036.00	1,238.00	2,856.00	20,052.00
.....
49,745.81	14,835.18	683,402.16	18,248.53	28,550.49	51,029.66	395,645.24
3,746.11	3,823.09	32,993.30	2,900.89	1,460.28	8,865.54	55,077.96
499	419	5,169	271	523	420	3,128

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality	Westport	Wheatley	Whitby	Warton	Williamsburg
Population	654	1,232	8,600	1,953	340
A. BALANCE SHEETS					
FIXED ASSETS					
Plant and facilities at cost	\$ 33,545.87	\$ 122,069.07	\$ 701,078.69	\$ 104,903.55	\$ 20,978.95
Accumulated depreciation	4,402.95	18,263.06	123,435.37	12,184.00	5,017.57
Net fixed assets	29,142.92	103,806.01	577,643.32	92,719.55	15,961.38
CURRENT ASSETS					
Cash on hand and in bank	3,213.51	8,464.61	25,044.64	11,783.89	2,722.13
Investment in government securities ..	7,000.00	.....	10,000.00	24,000.00	15,000.00
Accounts receivable .....	.....	168.25	9,715.42	325.81	164.84
Total current assets	10,213.51	8,632.86	44,760.06	36,109.70	17,886.97
OTHER ASSETS					
Inventory of stores .....	.....	.....	25,607.94	210.81	43.40
Sinking fund on local debentures .....	.....	.....	.....	.....	.....
Miscellaneous .....	.....	151.00	.....	.....	.....
Total other assets .....	.....	151.00	25,607.94	210.81	43.40
Equity in Ontario Hydro systems	22,759.44	56,395.52	253,351.40	70,686.63	20,348.24
Total	62,115.87	168,985.39	901,362.72	199,726.69	54,239.99
LIABILITIES					
Debentures outstanding .....	.....	29,249.95	84,000.00	.....	.....
Accounts payable .....	.....	27.88	25,023.14	.....	444.00
Other	294.38	305.00	7,316.65	177.21	378.43
Total liabilities	294.38	29,582.83	116,339.79	177.21	822.43
RESERVES					
Equity in Ontario Hydro systems	22,759.44	56,395.52	253,351.40	70,686.63	20,348.24
Other .....	.....	.....	6,500.00	22.81	310.82
Total reserves	22,759.44	56,395.52	259,851.40	70,709.44	20,659.06
CAPITAL					
Debentures redeemed	15,000.00	22,750.05	92,612.50	37,400.00	2,750.00
Local sinking fund .....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	24,062.05	60,256.99	432,559.03	91,440.04	30,008.50
Frequency standardization expense charged this year .....	.....	.....	.....	.....	.....
Total capital	39,062.05	83,007.04	525,171.53	128,840.04	32,758.50
Total	62,115.87	168,985.39	901,362.72	199,726.69	54,239.99
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power	16,903.63	45,682.22	393,357.63	54,134.55	7,866.64
Street lighting	973.91	2,849.88	11,607.91	3,234.03	692.94
Other	438.88	19.34	2,479.87	874.19	543.85
Total revenue	18,316.42	48,551.44	407,445.41	58,242.77	9,103.43
EXPENSE					
Power purchased	9,814.97	28,077.02	234,828.55	38,464.29	7,581.82
Local generation .....	.....	.....	.....	.....	.....
Operation and maintenance	1,520.29	3,362.15	25,245.24	8,719.17	508.34
Administration	2,588.79	4,248.60	36,334.15	4,822.03	764.65
Fixed charges—interest and principal .....	.....	3,541.09	11,451.00	.....	.....
—depreciation	840.00	2,953.00	17,310.00	2,466.00	587.00
—other .....	.....	.....	.....	.....	.....
Total expense	14,764.05	42,181.86	325,168.94	54,471.49	9,441.81
Net income or net expense	3,552.37	6,369.58	82,276.47	3,771.28	338.38
Number of customers	278	462	2,910	746	145

Statements for the Year Ended December 31, 1957

Winchester	Windermere	Windsor	Wingham	Woodbridge	Woodstock
1,314	126	120,551	2,788	2,096	18,422
\$ 86,097.51 16,348.26	\$ 26,203.57 7,986.47	\$ 10,638,659.59 3,226,021.32	\$ 247,946.78 73,691.62	\$ 141,134.23 28,738.25	\$ 1,624,301.33 405,204.96
69,749.25	18,217.10	7,412,638.27	174,255.16	112,395.98	1,219,096.37
20,577.47	7,513.46	1,500.00	36,067.06	33,664.77	19,172.27
.....	5,400.00	2,854,225.14	35,000.00	.....	133,000.00
340.26	194.02	529,425.47	121.16	115.34	15,586.89
20,917.73	13,107.48	3,385,150.61	71,188.22	33,780.11	167,759.16
.....	.....	275,144.78	9,361.10	.....	988.22
.....	.....	162,592.95	.....	.....	.....
2,000.00	400.00	515.30	1,817.67	.....	7,926.85
2,000.00	400.00	438,253.03	11,178.77	.....	8,915.07
74,251.30	10,509.02	10,324,431.26	148,636.78	137,462.03	1,378,171.06
166,918.28	42,233.60	21,560,473.17	405,258.93	283,638.12	2,773,941.66
18,000.08	.....	190,000.00	.....	14,000.00	144,314.34
395.07	225.75	997,638.57	235.68	2,181.25	15,295.70
10.00	.....	164,856.79	2,966.00	2,319.60	16,541.43
18,405.15	225.75	1,352,495.36	3,201.68	18,500.85	176,151.47
74,251.30	10,509.02	10,324,431.26	148,636.78	137,462.03	1,378,171.06
.....	90.00	247,704.18	118.17	824.59	9,655.00
74,251.30	10,599.02	10,572,135.44	148,754.95	138,286.62	1,387,826.06
11,205.98	11,237.65	2,393,832.05	81,155.39	9,499.97	283,071.29
.....	.....	162,592.95	.....	.....	.....
63,055.85	20,171.18	7,079,417.37	172,146.91	117,350.68	939,451.50
.....	.....	.....	.....	.....	12,558.66
74,261.83	31,408.83	9,635,842.37	253,302.30	126,850.65	1,209,964.13
166,918.28	42,233.60	21,560,473.17	405,258.93	283,638.12	2,773,941.66
49,980.46	8,450.35	4,060,348.90	105,913.26	111,514.04	855,356.59
1,451.91	407.16	194,626.21	3,017.03	2,323.44	26,727.10
265.07	176.40	157,286.52	3,619.18	25.54	4,753.38
51,697.44	9,033.91	4,412,261.63	112,549.47	113,863.02	886,837.07
36,219.65	3,538.83	2,715,284.66	64,696.90	77,717.95	540,098.23
.....	.....	.....	2,146.93	.....	.....
2,452.34	708.53	651,125.49	8,366.45	3,463.83	80,168.45
2,950.61	739.47	387,280.09	10,783.42	5,725.78	44,258.21
1,537.52	.....	17,175.59	.....	1,150.93	36,698.68
2,232.00	823.00	297,359.00	7,568.00	3,669.00	44,217.00
.....	90.00	.....	.....	.....	.....
45,392.12	5,899.83	4,068,224.83	93,561.70	91,727.49	745,440.57
6,305.32	3,134.08	344,036.80	18,987.77	22,135.53	141,396.50
525	116	37,058	1,029	724	6,250

Municipal Electrical Utilities Financial

Southern Ontario System—Concluded

Municipality.....	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
Population.....	431	822	117,503	632	
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	22,652.60	49,887.77	5,843,364.82	35,935.47	313,086,643.15
Accumulated depreciation.....	4,139.35	12,719.16	1,590,207.02	5,790.33	65,766,062.02
Net fixed assets.....	18,513.25	37,168.61	4,253,157.80	30,145.14	247,320,581.13
CURRENT ASSETS					
Cash on hand and in bank.....	1,387.33	6,317.71	520,411.31	4,387.01	9,965,253.73
Investment in government securities.....		1,400.00	554,000.00		13,217,685.47
Accounts receivable.....	221.44	1,682.29	209,660.14	17.63	12,063,848.81
Total current assets.....	1,608.77	9,400.00	1,284,071.45	4,404.64	35,246,788.01
OTHER ASSETS					
Inventory of stores.....			97,760.62		9,071,568.72
Sinking fund on local debentures.....					561,622.08
Miscellaneous.....		693.76	696.78	10.00	1,865,092.94
Total other assets.....		693.76	98,457.40	10.00	11,498,283.74
Equity in Ontario Hydro systems.....	28,037.99	29,293.98	3,104,939.42	41,546.94	189,363,804.67
Total	48,160.01	76,556.35	8,740,626.07	76,106.72	483,429,457.55
LIABILITIES					
Debentures outstanding.....					60,983,362.23
Accounts payable.....	1,364.71	86.62	243,933.77	468.43	10,796,405.99
Other.....	10.00	82.50	364,830.67		3,817,290.06
Total liabilities.....	1,374.71	169.12	608,764.44	468.43	75,597,058.28
RESERVES					
Equity in Ontario Hydro systems.....	28,037.99	29,293.98	3,104,939.42	41,546.94	189,363,804.67
Other.....	477.63	64.35	53,374.81		5,138,273.14
Total reserves.....	28,515.62	29,358.33	3,158,314.23	41,546.94	194,502,077.81
CAPITAL					
Debentures redeemed.....	5,248.09	9,700.00	489,374.65	5,591.61	69,593,921.80
Local sinking fund.....					561,622.08
Accumulated net income invested in plant or held as working funds...	13,021.59	37,328.90	4,484,172.75	28,499.74	143,735,015.16
Frequency standardization expense charged this year.....					560,237.58
Total capital.....	18,269.68	47,028.90	4,973,547.40	34,091.35	213,330,321.46
Total	48,160.01	76,556.35	8,740,626.07	76,106.72	483,429,457.55
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	11,743.40	23,622.76	2,788,418.89	19,911.16	140,276,183.56
Street lighting.....	876.60	981.41	101,162.86	1,119.84	4,175,879.39
Other.....	14.64	199.00	34,048.08	46.80	1,523,342.84
Total revenue	12,634.64	24,803.17	2,923,629.83	21,077.80	145,975,405.79
EXPENSE					
Power purchased.....	8,162.33	13,928.58	1,870,533.57	13,794.25	88,221,460.94
Local generation.....					549,296.11
Operation and maintenance.....	994.30	1,282.22	248,655.07	1,278.30	13,640,304.07
Administration.....	808.99	1,206.31	258,797.26	2,031.53	11,452,676.98
Fixed charges—interest and principal.....	49.50	35.93		6.69	5,240,724.81
—depreciation.....	581.00	1,446.00	167,510.00	899.00	8,060,940.30
—other.....			2,788.42		44,729.53
Total expense	10,596.12	17,899.04	2,548,284.32	18,009.77	127,210,132.74
Net income or net expense	2,038.52	6,904.13	375,345.51	3,068.03	18,765,273.05
Number of customers.....	181	305	37,584	283	1,127,883

Statements for the Year Ended December 31, 1957

Northern Ontario Properties

Atikokan Twp.	Cache Bay	Capreol	Chapleau Twp.	Cochrane	Coniston
6,961	845	2,564	3,496	3,753	2,493
\$ 431,366.96 40,161.70	\$ 48,279.65 6,474.00	\$ 143,679.76 23,061.41	\$ 114,754.99 3,795.67	\$ 341,551.32 49,317.07	\$ 78,934.90 7,017.12
391,205.26	41,805.65	120,618.35	110,959.32	292,234.25	71,917.78
123,576.86	5,183.18	7,072.01	100.00	37,139.44	1,161.49
9,531.71	7,922.50 757.92	598.68	2,381.54	4,265.87	17,416.48
133,108.57	13,863.60	7,670.69	2,481.54	41,405.31	18,577.97
				10,834.45	2,647.86
1,232.00			6,430.68	642.34	
1,232.00 9,249.01			6,430.68	11,476.79	2,647.86
534,794.84	55,669.25	128,289.04	119,871.54	345,116.35	93,143.61
388,000.00	14,000.00	39,500.00	107,000.00	114,750.00	48,500.00
10,464.48	28.00	1,871.26	9,080.21	15,045.62	4,073.35
27,280.08	620.00	1,119.00	1,150.00	10,578.17	5,970.00
425,744.56	14,648.00	42,490.26	117,230.21	140,373.79	58,543.35
9,249.01					
12,150.00	74.57	204.28	438.95	496.21	1,332.54
21,399.01	74.57	204.28	438.95	496.21	1,332.54
12,000.00	14,000.00	29,500.00	8,000.00	30,250.00	1,500.00
75,651.27	26,946.68	56,094.50	5,797.62	173,996.35	31,767.72
87,651.27	40,946.68	85,594.50	2,202.38	204,246.35	33,267.72
534,794.84	55,669.25	128,289.04	119,871.54	345,116.35	93,143.61
220,600.87	29,653.23	82,232.23	121,082.88	148,491.07	41,194.27
3,847.88	911.05	3,611.86	2,652.84	5,916.28	2,344.28
2,017.61	185.22	83.05	381.59	323.34	14.00
226,466.36	30,749.50	85,927.14	124,117.31	154,730.69	43,552.55
109,364.27	19,124.70	54,381.17	89,390.29	74,224.48	25,811.37
10,772.48	942.29	6,244.93	7,101.43	21,346.42	3,995.96
34,040.62	2,054.67	9,240.09	8,483.17	19,887.39	4,124.35
30,427.62	2,645.00	3,971.25	8,222.43	13,350.00	3,875.00
9,057.00	1,113.00	3,445.12	2,066.69	7,756.07	1,759.62
193,661.99	25,879.66	77,282.56	115,264.01	136,564.36	39,566.30
32,804.37	4,869.84	8,644.58	8,853.30	18,166.33	3,986.25
1,875	201	847	922	1,216	623

Municipal Electrical Utilities Financial

Northern Ontario Properties—Continued

Municipality.....	Dryden	Fort William	Hearst	Kapuskasing	Larder Lake Twp.
Population.....	4,767	40,287	2,193	5,805	1,989
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	317,992.05	2,911,379.31	221,705.10	307,893.78	60,918.27
Accumulated depreciation.....	73,326.06	586,738.72	26,633.91	12,513.07	17,861.53
Net fixed assets.....	244,665.99	2,324,640.59	195,071.19	295,380.71	43,056.74
CURRENT ASSETS					
Cash on hand and in bank.....	10,632.16	70,084.57	24,615.48	31,055.53	5,595.89
Investment in government securities.....		270,800.00	40,000.00		
Accounts receivable.....	12,737.36	124,207.85	629.72	11,391.42	483.34
Total current assets.....	23,369.52	465,092.42	65,245.20	42,446.95	6,079.23
OTHER ASSETS					
Inventory of stores.....	9,126.29	148,014.51		10,564.16	
Sinking fund on local debentures.....					
Miscellaneous.....		5,464.86	291.66	1,424.47	
Total other assets.....	9,126.29	153,479.37	291.66	11,988.63	
Equity in Ontario Hydro systems.....	26,717.16	3,693,295.59			
Total	303,878.96	6,636,507.97	260,608.05	349,816.29	49,135.97
LIABILITIES					
Debentures outstanding.....	83,858.31	319,000.00	95,400.00	51,472.14	9,700.00
Accounts payable.....	7,634.60	102,599.19	747.50	23,651.50	1,178.27
Other.....	13,299.61	68,803.27	4,991.01	9,095.50	5,986.22
Total liabilities.....	104,792.52	490,402.46	101,138.51	84,219.24	16,864.49
RESERVES					
Equity in Ontario Hydro systems.....	26,717.16	3,693,295.59			
Other.....	2,606.32	4,000.34	5,004.30	391.98	150.63
Total reserves.....	29,323.48	3,697,295.93	5,004.30	391.98	150.63
CAPITAL					
Debentures redeemed.....	42,571.69	495,209.11	44,600.00	39,007.18	8,300.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	127,191.27	1,953,600.47	109,865.24	226,197.89	23,820.85
Frequency standardization expense charged this year.....					
Total capital.....	169,762.96	2,448,809.58	154,465.24	265,205.07	32,120.85
Total	303,878.96	6,636,507.97	260,608.05	349,816.29	49,135.97
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	183,252.86	1,452,908.68	88,960.43	166,532.62	39,657.50
Street lighting.....	8,602.17	60,413.99	1,625.50	8,443.14	1,627.38
Other.....		25,731.36	1,691.66	1,286.75	
Total revenue	191,855.03	1,539,054.03	92,277.59	176,262.51	41,284.88
EXPENSE					
Power purchased.....	97,932.28	963,088.01	47,311.00	119,154.06	28,234.43
Local generation.....					
Operation and maintenance.....	20,349.08	135,267.54	6,046.70	12,487.04	3,607.52
Administration.....	15,197.02	89,240.59	8,835.37	20,448.04	4,524.51
Fixed charges—interest and principal.....	5,875.56	30,830.00	10,148.00	8,031.98	1,612.00
—depreciation.....	8,187.00	76,656.00	3,818.70	5,725.79	1,897.81
—other.....	4,295.00				
Total expense	151,835.94	1,295,082.14	76,159.77	165,846.91	39,876.27
Net income or net expense	40,019.09	243,971.89	16,117.82	10,415.60	1,408.61
Number of customers.....	1,486	12,510	738	1,643	561

Statements for the Year Ended December 31, 1957

Latchford 502	Massey 1,200	McGarry 2,976	Nipigon Twp. 2,502	North Bay 22,001	Port Arthur 38,316
\$ 26,068.02 3,953.10	\$ 63,464.32 1,625.14	\$ 65,923.76 11,090.21	\$ 124,458.32 20,181.45	\$ 1,328,847.62 291,850.82	\$ 3,794,179.69 1,385,549.12
22,114.92	61,839.18	54,833.55	104,276.87	1,036,996.80	2,408,630.57
7,088.85	8,163.70	548.39	10,213.19	10,073.32	267,691.91
91.02	1,022.45	139.71	20,000.00		433,000.00
			3,576.56	22,499.02	164,531.33
7,179.87	9,186.15	688.10	33,789.75	32,572.34	865,223.24
			11.80	49,437.31	173,275.25
		465.55		6,280.12	2,633.79
		465.55	11.80	55,717.43	175,909.04
			65,602.63		7,035,001.47
29,294.79	71,025.33	55,987.20	203,681.05	1,125,286.57	10,484,764.32
62.12	41,100.00	8,000.00		294,000.00	
345.00	163.76	1,002.15	217.48	34,191.74	144,599.49
	885.00	5,661.80	1,910.60	126,403.98	
407.12	42,148.76	14,663.95	2,128.08	454,595.72	144,599.49
38.80			65,602.63		7,035,001.47
			21,327.59		350,687.78
38.80			65,602.63	21,327.59	7,385,689.25
20,000.00	3,900.00	6,000.00	10,000.00	266,157.68	626,317.40
8,848.87	24,976.57	35,323.25	125,950.34	383,205.58	2,328,158.18
28,848.87	28,876.57	41,323.25	135,950.34	649,363.26	2,954,475.58
29,294.79	71,025.33	55,987.20	203,681.05	1,125,286.57	10,484,764.32
12,260.11	32,153.38	46,820.47	62,327.12	727,156.59	1,491,162.66
526.47	1,601.28	1,881.35	2,909.42	24,580.67	47,614.56
			1,594.73	526.97	4,908.91
12,786.58	33,754.66	48,701.82	66,831.27	752,264.23	1,543,686.13
4,273.50	9,691.88	34,598.67	33,594.59	464,584.39	1,089,631.63
948.83	3,605.35	2,525.90	7,901.95	61,973.18	26,474.46
904.51	3,358.14	5,098.68	6,632.17	84,925.54	144,381.14
630.61	3,950.00	1,363.15		27,924.74	93,356.07
	1,152.91	1,649.78	2,911.00	35,774.17	57,443.09
					4,500.00
6,757.45	21,758.28	45,236.18	51,039.71	675,182.02	1,415,786.39
6,029.13	11,996.38	3,465.64	15,791.56	77,082.21	127,899.74
156	324	489	675	6,715	12,306

Municipal Electrical Utilities Financial
Northern Ontario Properties—Concluded

Municipality.....	Red Rock	Schreiber Twp.	Sioux Lookout	Sturgeon Falls	Sudbury
Population.....	1,810	2,008	2,311	5,826	47,701
A. BALANCE SHEETS					
FIXED ASSETS					
Plant and facilities at cost.....	\$ 91,654.09	\$ 115,055.82	\$ 184,536.71	\$ 231,891.54	\$ 3,271,033.53
Accumulated depreciation.....	12,456.44	14,308.70	17,762.74	39,609.76	486,907.38
Net fixed assets.....	79,197.65	100,747.12	166,773.97	192,281.78	2,784,126.15
CURRENT ASSETS					
Cash on hand and in bank.....	175.35	15,241.53	25.00	7,139.47	171,527.11
Investment in government securities.....		15,000.00	5,000.00	50,000.00	50,000.00
Accounts receivable.....	859.16	752.57	3,180.94	10,956.17	109,060.28
Total current assets.....	1,034.51	30,994.10	8,205.94	68,095.64	330,587.39
OTHER ASSETS					
Inventory of stores.....			7,892.64		94,032.65
Sinking fund on local debentures.....					
Miscellaneous.....	1,738.30		219.00	516.76	2,073.39
Total other assets.....	1,738.30		8,111.64	516.76	96,106.04
Equity in Ontario Hydro systems.....	22,882.56	27,423.59			
Total.....	104,853.02	159,164.81	183,091.55	260,894.18	3,210,819.58
LIABILITIES					
Debentures outstanding.....	18,200.00	3,000.00		91,000.00	307,414.02
Accounts payable.....	718.62	702.23	14,958.75	1,346.81	49,378.29
Other.....	70.00		4,782.48	9,617.26	79,999.96
Total liabilities.....	18,988.62	3,702.23	19,741.23	101,964.07	436,792.27
RESERVES					
Equity in Ontario Hydro systems.....	22,882.56	27,423.59		4,776.09	116,513.21
Other.....					
Total reserves.....	22,882.56	27,423.59		4,776.09	116,513.21
CAPITAL					
Debentures redeemed.....	13,000.00	47,000.00		9,000.00	709,924.51
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	49,981.84	81,038.99	163,350.32	145,154.02	1,947,589.59
Frequency standardization expense charged this year.....					
Total capital.....	62,981.84	128,038.99	163,350.32	154,154.02	2,657,514.10
Total.....	104,853.02	159,164.81	183,091.55	260,894.18	3,210,819.58
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	34,937.50	50,020.91	102,884.58	124,033.59	1,580,004.08
Street lighting.....	1,292.23	3,309.48	6,240.74	5,510.99	84,738.21
Other.....	1,382.99	1,087.16	2,351.78	1,669.93	7,464.35
Total revenue.....	37,612.72	54,417.55	111,477.10	131,214.51	1,672,206.64
EXPENSE					
Power purchased.....	20,086.68	26,468.94	69,752.31	67,441.59	875,171.10
Local generation.....					
Operation and maintenance.....	2,494.28	4,907.77	7,205.86	19,323.54	214,930.86
Administration.....	3,085.80	6,835.76	13,099.43	18,945.50	152,231.87
Fixed charges—interest and principal.....	2,088.78	1,681.00	845.31	7,898.15	69,921.41
—depreciation.....	2,173.00	2,637.00	4,036.00	5,662.09	79,499.96
—other.....					
Total expense.....	29,928.54	42,530.47	94,938.91	119,270.87	1,391,755.20
Net income or net expense.....	7,684.18	11,887.08	16,538.19	11,943.64	280,451.44
Number of customers.....	321	589	928	1,503	15,480

Statements for the Year Ended December 31, 1957

Terrace Bay 1,809	Thessalon 1,712	Webbwood 525	West Ferris Twp. 3,907	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$ 155,975.23 25,319.00	\$ 77,934.37 19,557.61	\$ 34,816.52 1,049.81	\$ 295,035.36 30,899.58	\$ 14,839,330.99 3,209,021.12	\$ 327,925,974.14 68,975,083.14
130,656.23	58,376.76	33,766.71	264,135.78	11,630,309.87	258,950,891.00
11,348.38	25,796.37	2,471.28	921.49	854,641.95	10,819,895.68
65,000.00	.....	.....	.....	956,722.50	14,174,407.97
971.21	3,250.08	629.85	4,151.46	510,073.70	12,573,922.51
77,319.59	29,046.45	3,101.13	5,072.95	2,321,438.15	37,568,226.16
.....	.....	.....	2,178.00	508,014.92	9,579,583.64
.....	.....	.....	.....	.....	561,622.08
.....	76.48	.....	.....	29,489.40	1,894,582.34
.....	76.48	.....	2,178.00	537,504.32	12,035,788.06
49,259.35	.....	.....	.....	10,929,431.36	200,293,236.03
257,235.17	87,499.69	36,867.84	271,386.73	25,418,683.70	508,848,141.25
50,700.00	61,000.00	27,403.65	159,000.00	2,331,998.12	63,315,360.35
.....	1,175.07	220.70	5,387.94	430,499.23	11,226,905.22
.....	2,473.48	177.50	8,726.49	389,946.41	4,207,236.47
50,700.00	64,648.55	27,801.85	173,114.43	3,152,443.76	78,749,502.04
49,259.35	.....	.....	.....	10,929,431.36	200,293,236.03
.....	137.42	.....	245.30	520,576.31	5,658,849.45
49,259.35	137.42	.....	245.30	11,450,007.67	205,952,085.48
27,300.00	4,000.00	2,596.35	23,500.00	2,493,633.92	72,087,555.72
.....	.....	.....	.....	.....	561,622.08
129,975.82	18,713.72	6,469.64	74,527.00	8,322,598.35	152,057,613.51
.....	.....	.....	.....	.....	560,237.58
157,275.82	22,713.72	9,065.99	98,027.00	10,816,232.27	224,146,553.73
257,235.17	87,499.69	36,867.84	271,386.73	25,418,683.70	508,848,141.25
57,605.58	45,801.72	12,667.81	160,024.79	7,114,427.53	147,390,611.09
3,322.56	2,696.76	821.56	2,131.12	289,173.77	4,465,053.16
2,262.09	488.42	.....	1,429.37	56,881.28	1,580,224.12
63,190.23	48,986.90	13,489.37	163,585.28	7,460,482.58	153,435,888.37
33,298.38	21,986.39	3,930.95	78,101.36	4,460,628.42	92,682,089.36
.....	.....	.....	.....	26,474.46	575,770.57
2,194.33	5,885.14	2,542.70	13,300.62	722,282.84	14,362,586.91
4,768.06	8,506.12	1,819.84	14,263.19	633,906.50	12,086,583.48
5,879.31	4,863.22	2,616.64	16,096.35	264,116.90	5,504,841.71
3,710.00	2,117.29	609.38	6,575.10	328,064.18	8,389,004.48
.....	.....	.....	.....	8,795.00	53,524.53
49,850.08	43,358.16	11,519.51	128,336.62	6,444,268.30	133,654,401.04
13,340.15	5,628.74	1,969.86	35,248.66	1,016,214.28	19,781,487.33
398	479	134	1,455	64,574	1,192,357

INTRODUCTION TO STATEMENT "C" AND STATEMENT "D"**STATEMENT "C"**

Statement "C" is the schedule of resale rates for domestic, commercial, and power service in the municipal distribution systems supplied by the Commission. Whenever revisions now become necessary, the rates of the utilities are being adjusted to the revised rate structures introduced in 1956.

Description of Classes of Service

Domestic rates are applicable to all electrical service for household purposes, with the exception of house heating and flat-rate water-heaters. The account for normal domestic service consists of specified blocks of kilowatt-hours per month with suitable rates for each block. The account is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. For comparative purposes, net monthly bills are shown for metered energy consumptions of 100, 300, and 500 kilowatt-hours per month.

The customer may choose to pay at regular rates for energy used in electric water-heaters by including his water-heater with his metered load. The water-heater rates shown in Statement "C", however, are applicable to unmetered flat-rate service. The account consists of a monthly rate per 100 watts of heater capacity. The flat-rate water-heater load in many municipalities is subject to peak-load control by the utility.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, restaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. In most municipalities on the new rate structures, commercial-type customers having connected loads of less than five kilowatts are billed at domestic rates. Otherwise commercial accounts consist of a monthly demand rate (with a minimum) applied to the customer's billing demand, plus an energy rate per kilowatt-hour. The energy rate, depending on whether the old or the new rate structures are in effect, is applied either to one or to two blocks of kilowatt-hours based on 100 hours' monthly use of the billing demand, all remaining monthly kilowatt-hours being billed at a final energy rate. For example, a commercial service customer under the new rate structure and with a demand of five kilowatts is billed for 500 kilowatt-hours at the first energy rate, while a customer with a demand of ten kilowatts is billed for 1,000 kilowatt-hours at the first energy rate. The account is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. The net monthly bills shown are calculated on the basis of a demand of one kilowatt for a use per month of 100, 200, and 300 hours. The corresponding bill for a demand of ten kilowatts for the same number of hours' use would be ten times the amounts shown, and for x kilowatts would be x times the amounts shown.

The rates for power service are for 24-hour unrestricted power at secondary distribution voltage. Like the domestic and commercial service rates, they cover retail supply to customers of the municipal utilities and local systems. They do not apply to certain power customers served directly by the Commission.

The power service account, like the commercial service account, consists of a monthly demand rate applied to the customer's billing demand, plus an energy rate for a first block of kilowatt-hours based on a specified number of hours' monthly use of the billing demand, plus a second energy rate for a second block of kilowatt-hours similarly calculated, all remaining monthly kilowatt-hours being billed at a third energy rate. The old rate structure allowed for 50 hours' use at each of the first two rates; the new structure allows for 100 hours' use at each of the first two rates. The account is subject to a prompt payment discount of 10 per cent. Customers providing their own step-down transformation are granted on the basis of their billing demand an allowance of 27¢ per kilowatt per month gross for service at subtransmission voltage and 17¢ per kilowatt per month gross for service at primary distribution voltage. The net monthly bills shown are calculated on the same basis as for commercial service.

STATEMENT "D"

Statement "D" records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The revenue and estimated consumption from the use of flat-rate water-heaters are included in the totals shown.

With the introduction of the new rate structures there may be a shift of a substantial group of customers with small connected loads from commercial service rates to domestic service rates. For statistical purposes they will thereafter be included in the domestic service group. If such a shift during the year under review materially distorts the calculated averages of consumption and cost per customer, these averages are omitted.

The average cost per kilowatt-hour shown is the average cost to the customer, that is, the average revenue per kilowatt-hour received by the utility. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems combined may be seen in the table on page 94 and the graph on page 95. Other things being equal, the average cost per kilowatt-hour would rise with an increase in rates. Consumption per customer, however, is continuously increasing and domestic customers, in particular, are using an ever-increasing variety of electrical appliances, including flat-rate water-heaters. Such increased use will be billed at the low rates applicable to higher-consumption blocks of kilowatt-hours and will therefore be reflected in a lower average cost per kilowatt-hour.

For power service customers, the relationship between demand and energy is an important factor in establishing the individual's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour.

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Acton.....	45	60	3.2	..	..	1.3	2.20	4.54	6.88
Ailsa Craig	51	60	3.2	..	..	1.2	2.16	4.32	6.48
Ajax.....	39	60	4.0	..	..	1.5	2.70	5.40	8.10
Alexandria.....	44	60	2.6	..	..	1.0	1.76	3.56	5.36
Alfred.....	45	60	5.0	..	..	2.0	3.42	7.02	10.62
Alliston.....	43	60	3.1	..	..	1.0	2.03	3.83	5.63
Almonte.....	37	60	2.5	..	..	1.0	1.71	3.51	5.31
Alvinston.....	54	60	3.5	..	..	1.0	2.25	4.05	5.85
Amherstburg.....	51	60	3.5	..	..	1.2	2.32	4.48	6.64
Ancaster Twp. (including Ancaster) ..	43	60	4.2	..	..	1.2	2.70	4.86	7.02
Apple Hill.....	56	60	4.0	..	..	1.0	2.52	4.32	6.12
Arkona.....	43	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Arnprior.....	38	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Arthur.....	43	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Athens.....	40	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Atikokan Twp.....	40	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Aurora.....	42	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Aylmer.....	45	60	2.5	..	..	1.0	1.71	3.51	5.31
Ayr.....	44	60	2.9	..	..	1.0	1.93	3.73	5.53
Baden.....	42	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
†Bala.....	36	a50	3.7	..	..	1.2	2.50	4.96	7.12
Bancroft.....	53	60	3.5	..	..	1.3	2.36	4.70	7.04
Barrie.....	40	60	2.4	..	..	1.0	1.66	3.46	5.26
Barry's Bay	47	60	4.7	..	..	1.6	3.11	5.99	8.87
Bath.....	40	60	3.5	..	..	1.2	2.32	4.48	6.64
Beachville.....	46	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Beamsville.....	43	60	2.7	..	..	1.2	1.89	4.05	6.21
†Beardmore.....	43	60	4.4	..	..	1.5	2.92	5.62	8.32
Beaverton.....	45	60	2.8	..	..	1.2	1.94	4.10	6.26
Beeton.....	50	60	3.8	..	..	1.2	2.48	4.64	6.80
Belle River.....	45	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Belleville.....	35	60	1.8	..	..	0.8	1.26	2.70	4.14
Blenheim.....	48	60	2.9	..	..	1.2	2.00	4.16	6.32
†Blind River.....	50	60	4.0	..	..	1.5	2.70	5.40	8.10
Bloomfield.....	54	60	2.5	..	..	0.9	1.67	3.29	4.91
Blyth.....	47	60	2.9	..	..	1.1	1.96	3.94	5.92
Bobcaygeon.....	40	60	3.4	..	..	1.2	2.27	4.43	6.59
Bolton.....	46	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Bothwell.....	52	60	2.6	..	..	1.0	1.76	3.56	5.36
Bowmanville.....	40	60	3.0	..	..	1.0	1.98	3.78	5.58

†Local system
See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	\$	\$	\$	
2.7	..	1.2	2.88	3.96	5.04	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.7	..	1.0	2.88	3.78	4.68	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.5	..	1.3	3.60	4.77	5.94	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.2	..	0.8	2.43	3.15	3.87	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
4.5	..	2.0	4.50	6.30	8.10	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.6	..	1.0	2.79	3.69	4.59	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.3	..	1.0	2.52	3.42	4.32	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.0	..	0.9	3.15	3.96	4.77	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.9	..	0.8	3.06	3.78	4.50	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.6	..	1.0	3.69	4.59	5.49	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.06	3.51	3.81
°1.9	0.8	0.5	2.16	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
°1.5	0.8	0.5	1.80	2.52	2.97	1.00	..	1.0	..	0.5	0.33	1.80	2.25	2.55
°3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
°1.9	0.8	0.5	2.16	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
2.0	..	0.7	2.25	2.88	3.51	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.4	..	0.9	2.61	3.42	4.23	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
3.7	..	0.8	3.78	4.50	5.22	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.0	..	1.2	3.15	4.23	5.31	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.0	..	0.8	2.25	2.97	3.69	1.00	1.4	..	0.9	..	0.25	1.93	2.16	2.38
4.0	..	1.5	4.05	5.40	6.75	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
3.0	..	1.2	3.15	4.23	5.31	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
2.3	..	1.1	2.52	3.51	4.50	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
3.9	..	1.5	3.96	5.31	6.66	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.2	..	1.0	2.43	3.33	4.23	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.4	..	1.2	3.51	4.59	5.67	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.2	..	0.5	0.33	2.88	3.33	3.63
1.6	..	0.6	1.89	2.43	2.97	1.00	1.3	..	0.8	..	0.25	1.84	2.07	2.29
2.4	..	1.1	2.61	3.60	4.59	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
3.5	..	1.5	3.60	4.95	6.30	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.3	..	0.7	2.52	3.15	3.78	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.4	..	1.1	2.61	3.60	4.59	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.9	..	1.0	3.06	3.96	4.86	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
°3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
2.1	..	0.7	2.34	2.97	3.60	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.4	..	0.8	2.61	3.33	4.05	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79

Municipal Electrical RATES AND TYPICAL BILLS in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Bracebridge.....	40	60	3.0	..	..	1.2	2.05	4.21	6.37
Bradford.....	40	45	4.2	..	..	1.0	2.20	4.00	5.80
Braeside.....	49	50	4.0	..	..	1.3	2.38	4.72	7.06
Brampton.....	45	60	2.5	..	..	1.2	1.78	3.94	6.10
Brantford.....	44	60	2.2	..	..	1.2	1.62	3.78	5.94
°°Brantford Twp.....	43	60	4.5	..	..	1.8	3.08	6.32	9.56
Brechin.....	45	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Bridgeport.....	42	60	3.3	..	..	1.2	2.21	4.37	6.53
Brigden.....	53	60	3.0	..	..	0.9	1.94	3.56	5.18
Brighton.....	42	60	3.6	..	..	1.1	2.34	4.32	6.30
Brockville.....	38	60	2.0	..	..	1.0	1.44	3.24	5.04
Bronte.....	43	60	3.0	..	..	1.5	2.16	4.86	7.56
Brussels.....	49	60	3.2	..	..	1.0	2.09	3.89	5.69
Burford.....	43	50	3.4	1.7	1.0	1.4	2.29	5.04	6.84
Burgessville.....	52	60	4.0	..	..	1.0	2.52	4.32	6.12
Burk's Falls.....	47	60	4.0	..	..	1.4	2.66	5.18	7.70
Burlington.....	40	60	3.1	..	..	1.2	2.11	4.27	6.43
Cache Bay.....	45	60	5.0	..	..	1.5	3.24	5.94	8.64
Caledonia.....	43	60	2.4	..	..	1.2	1.73	3.89	6.05
Campbellville.....	50	60	3.0	..	..	1.3	2.09	4.43	6.77
Cannington.....	48	60	3.2	..	..	1.0	2.09	3.89	5.69
Capreol.....	43	60	3.5	..	..	1.3	2.36	4.70	7.04
Cardinal.....	40	55	2.8	..	..	1.1	1.83	3.81	5.79
Carleton Place.....	40	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Casselman.....	42	50	4.2	2.1	1.2	1.6	2.83	6.21	8.37
Cayuga.....	42	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Chalk River.....	40	50	4.2	2.1	1.2	1.6	2.83	6.21	8.37
Chapleau Twp.....	..	60	9.0	..	..	4.0	6.30	13.50	20.70
Chatham.....	48	60	3.8	..	..	1.4	2.56	5.08	7.60
Chatsworth.....	46	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Chesley.....	45	60	2.7	..	..	1.0	1.82	3.62	5.42
Chesterville.....	44	60	2.7	..	..	1.1	1.85	3.83	5.81
Chippawa.....	40	60	3.1	..	..	1.4	2.18	4.70	7.22
Clifford.....	48	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Clinton.....	46	60	3.1	..	..	1.2	2.11	4.27	6.43
†Cobalt.....	42	60	4.2	..	..	1.5	2.81	5.51	8.21
Cobden.....	36	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Cobourg.....	44	60	2.9	..	..	1.4	2.07	4.59	7.11
Cochrane.....	42	60	3.4	..	..	1.5	2.38	5.08	7.78
Colborne.....	43	60	3.8	..	..	1.0	2.41	4.21	6.01

† Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
2.0	..	1.0	2.25	3.15	4.05	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.7	..	1.0	3.78	4.68	5.58	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
4.0	..	1.0	4.05	4.95	5.85	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.0	..	1.1	2.25	3.24	4.23	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
1.8	..	0.7	2.07	2.70	3.33	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.0	..	1.6	3.15	4.59	6.03	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
2.8	..	1.2	2.97	4.05	5.13	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.5	..	0.7	2.70	3.33	3.96	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.1	..	1.0	3.24	4.14	5.04	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
1.7	..	0.8	1.98	2.70	3.42	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
2.5	..	1.5	2.70	4.05	5.40	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.7	..	0.8	2.88	3.60	4.32	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.5	..	0.8	3.60	4.32	5.04	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
3.5	..	1.4	3.60	4.86	6.12	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.7	..	0.8	2.88	3.60	4.32	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
4.5	..	1.5	4.50	5.85	7.20	1.35	3.7	..	2.4	..	0.33	3.96	4.26	4.55
1.9	..	1.1	2.16	3.15	4.14	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.8	..	1.1	2.97	3.96	4.95	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.8	..	0.9	2.97	3.78	4.59	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
3.0	..	1.1	3.15	4.14	5.13	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
2.3	..	1.0	2.52	3.42	4.32	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
3.4	0.8	0.5	3.51	4.23	4.68	1.00	..	2.2	..	0.5	0.33	2.88	3.33	3.63
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.3	0.8	0.5	3.42	4.14	4.59	1.00	..	2.5	..	0.5	0.33	3.15	3.60	3.90
8.5	..	4.0	8.10	11.70	15.30	1.35	5.7	..	3.8	..	2.00	5.49	7.29	9.09
3.3	..	1.2	3.42	4.50	5.58	1.35	2.0	..	1.3	..	0.40	2.70	3.00	3.29
2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
2.3	..	1.0	2.52	3.42	4.32	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.2	..	1.1	2.43	3.42	4.41	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.6	..	1.3	2.79	3.96	5.13	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
3.1	0.8	0.5	3.24	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.24	3.69	3.99
2.6	..	1.2	2.79	3.87	4.95	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
3.7	..	1.5	3.78	5.13	6.48	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
1.9	0.8	0.5	2.16	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.07	2.52	2.82
2.4	..	1.3	2.61	3.78	4.95	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.9	..	1.4	3.06	4.32	5.58	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
3.0	..	1.0	3.15	4.05	4.95	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Coldwater.....	45	60	3.2	..	..	1.0	2.09	3.89	5.69
Collingwood.....	43	60	2.5	..	..	1.1	1.75	3.73	5.71
Comber.....	52	60	3.3	..	..	1.2	2.21	4.37	6.53
Coniston.....	43	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Cookstown.....	51	45	4.3	..	..	1.0	2.24	4.04	5.84
Cottam.....	41	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Courtright.....	43	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Creemore.....	53	50	3.1	..	..	1.0	1.84	3.64	5.44
Dashwood.....	45	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Delaware.....	46	60	3.8	..	..	1.4	2.56	5.08	7.60
Delhi.....	43	60	3.2	..	..	1.0	2.09	3.89	5.69
Deseronto.....	40	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Dorchester.....	43	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Drayton.....	59	55	4.0	..	..	1.3	2.51	4.85	7.19
Dresden.....	44	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Drumbo.....	41	60	3.5	..	..	1.0	2.25	4.05	5.85
Dryden.....	49	60	4.5	..	..	1.5	2.97	5.67	8.37
Dublin.....	55	60	3.5	..	..	1.1	2.29	4.27	6.25
Dundalk.....	44	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Dundas.....	40	60	2.8	..	..	1.1	1.91	3.89	5.87
Dunnville.....	49	60	2.6	..	..	1.5	1.94	4.64	7.34
Durham.....	58	60	2.7	..	..	1.1	1.85	3.83	5.81
Dutton.....	47	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
East York Twp.....	42	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Eganville.....	42	60	4.3	..	..	1.1	2.72	4.70	6.68
†Elk Lake Townsite.....	42	..	Special	..	..	..	2.30	4.60	6.60
Elmira.....	45	50	3.0	1.5	0.8	1.2	2.02	4.41	5.85
Elmvale.....	40	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Elmwood.....	39	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Elora.....	44	60	3.2	..	..	1.4	2.23	4.75	7.27
Embro.....	44	60	3.3	..	..	1.1	2.18	4.16	6.14
†Englehart.....	50	60	4.5	..	..	1.5	2.97	5.67	8.37
Erieau.....	51	60	3.7	..	..	1.0	2.36	4.16	5.96
Erie Beach.....	61	60	5.3	..	..	1.5	3.40	6.10	8.80
Erin.....	40	50	3.0	1.5	0.8	1.2	2.02	4.41	5.85
Essex.....	51	60	2.9	..	..	1.2	2.00	4.16	6.32
Etobicoke Twp. (including Thistletown).....	40	60	2.7	..	..	1.3	1.93	4.27	6.61
Exeter.....	47	60	3.0	..	..	1.3	2.09	4.43	6.77
Fergus.....	45	60	3.3	..	..	1.3	2.25	4.59	6.93
Finch.....	42	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81

†Local system
See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
2.5	..	1.0	2.70	3.60	4.50	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.0	..	1.1	2.25	3.24	4.23	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.8	..	1.1	2.97	3.96	4.95	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
°2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
3.8	..	1.0	3.87	4.77	5.67	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
°2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	2.3	..	0.5	0.33	2.97	3.42	3.72
°2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
2.6	..	0.9	2.79	3.60	4.41	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
°3.1	0.8	0.5	3.24	3.96	4.41	1.00	..	2.4	..	0.5	0.33	3.06	3.51	3.81
3.4	..	1.4	3.51	4.77	6.03	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.6	..	0.8	2.79	3.51	4.23	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
°2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.4	..	0.7	3.51	4.14	4.77	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	2.3	..	0.5	0.33	2.97	3.42	3.72
3.0	..	0.8	3.15	3.87	4.59	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.8	..	2.0	3.87	5.67	7.47	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.0	..	0.8	3.15	3.87	4.59	1.35	3.4	..	2.2	..	0.33	3.73	4.03	4.33
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
2.3	..	1.0	2.52	3.42	4.32	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.2	..	1.5	2.43	3.78	5.13	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.4	..	1.0	2.61	3.51	4.41	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
°2.0	0.8	0.5	2.25	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.07	2.52	2.82
3.8	..	1.0	3.87	4.77	5.67	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
°2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
°2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.8	..	1.4	2.97	4.23	5.49	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.7	..	0.7	2.88	3.51	4.14	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
4.0	..	1.5	4.05	5.40	6.75	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
3.5	..	0.9	3.60	4.41	5.22	1.35	4.0	..	2.6	..	0.33	4.18	4.48	4.78
4.8	..	1.0	4.77	5.67	6.57	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.4	..	1.0	2.61	3.51	4.41	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.2	..	0.8	2.43	3.15	3.60	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.6	..	0.8	2.79	3.51	4.23	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.8	..	1.1	2.97	3.96	4.95	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
°2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09

Municipal Electrical RATES AND TYPICAL BILLS in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Flesherton.....	37	60	2.3	..	..	1.0	1.60	3.40	5.20
Fonthill.....	41	60	3.0	..	..	1.3	2.09	4.43	6.77
Forest.....	46	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Forest Hill.....	40	60	2.5	..	..	1.4	1.85	4.37	6.89
Fort William.....	34	60	2.0	..	..	0.8	1.37	2.81	4.25
Frankford.....	34	60	3.0	..	..	1.1	2.02	4.00	5.98
Galt.....	40	60	3.0	..	..	1.1	2.02	4.00	5.98
Georgetown.....	45	60	2.9	..	..	1.4	2.07	4.59	7.11
Glen Williams.....	45	60	3.6	..	..	1.6	2.52	5.40	8.28
†Geraldton.....	43	60	4.4	..	..	1.5	2.92	5.62	8.32
Glencoe.....	52	60	3.0	..	..	0.9	1.94	3.56	5.18
Goderich.....	52	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
†Gogama.....	..	50	7.0	3.5	..	1.6	4.72	10.17	13.05
Grand Bend.....	52	60	4.4	..	..	1.5	2.92	5.62	8.32
Grand Valley.....	50	60	3.0	..	..	1.2	2.05	4.21	6.37
Granton.....	50	60	3.9	..	..	1.4	2.61	5.13	7.65
Gravenhurst.....	40	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Grimsby.....	46	60	2.5	..	..	1.1	1.75	3.73	5.71
Guelph.....	41	60	2.5	..	..	1.1	1.75	3.73	5.71
Hagersville.....	41	60	2.8	..	..	1.1	1.91	3.89	5.87
†Haileybury.....	37	60	3.9	..	..	1.2	2.54	4.70	6.86
Hamilton.....	46	60	2.6	..	..	1.1	1.80	3.78	5.76
Hanover.....	42	60	2.2	..	..	1.0	1.55	3.35	5.15
Harriston.....	45	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Harrow.....	43	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Hastings.....	52	45	4.2	..	..	1.0	2.20	4.00	5.80
Havelock.....	45	60	3.6	..	..	1.5	2.48	5.18	7.88
Hawkesbury.....	36	60	4.0	..	..	1.5	2.70	5.40	8.10
Hearst.....	60	50	5.4	2.7	..	1.6	3.64	8.01	10.89
Hensall.....	48	60	3.2	..	..	1.0	2.09	3.89	5.69
†Hepworth.....	50	60	4.0	..	..	1.2	2.59	4.75	6.91
Hespeler.....	42	60	3.2	..	..	1.1	2.12	4.10	6.08
Highgate.....	47	60	3.2	..	..	0.9	2.05	3.67	5.29
Holstein.....	75	60	3.0	..	..	1.0	1.98	3.78	5.58
†Hornepayne.....	60	60	8.0	..	..	2.0	5.04	8.64	12.24
†Hudson Townsite.....	45	60	4.4	..	..	1.7	2.99	6.05	9.11
Huntsville.....	40	60	2.4	..	..	1.2	1.73	3.89	6.05
†Ignace.....	60	60	8.0	..	..	2.0	5.04	8.64	12.24
Ingersoll.....	46	60	3.4	..	..	1.3	2.30	4.64	6.98
Iroquois.....	43	60	2.8	..	..	1.2	1.94	4.10	6.26
Jarvis.....	44	60	2.8	..	..	0.9	1.84	3.46	5.08

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	\$	\$	\$	
1.9	..	1.0	2.16	3.06	3.96	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.5	..	1.2	2.70	3.78	4.86	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
2.0	..	1.2	2.25	3.33	4.41	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
1.9	..	0.4	2.16	2.52	2.88	1.00	1.4	..	0.9	..	0.25	1.93	2.16	2.38
2.5	..	1.0	2.70	3.60	4.50	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
2.5	..	1.0	2.70	3.60	4.50	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.4	..	1.4	2.61	3.87	5.13	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.1	..	1.6	3.24	4.68	6.12	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
3.9	..	1.5	3.96	5.31	6.66	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.6	..	0.8	2.79	3.51	4.23	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.06	3.51	3.81
5.8	0.8	0.5	5.67	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.49	5.94	6.24
3.9	..	1.3	3.96	5.13	6.30	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.5	..	1.2	2.70	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.4	..	1.3	3.51	4.68	5.85	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
1.6	0.8	0.5	1.89	2.61	3.06	1.00	..	1.1	..	0.5	0.33	1.89	2.34	2.64
2.0	..	1.0	2.25	3.15	4.05	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.0	..	0.9	2.25	3.06	3.87	1.00	1.5	..	1.1	..	0.30	2.07	2.34	2.61
2.3	..	0.9	2.52	3.33	4.14	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
3.4	..	1.2	3.51	4.59	5.67	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
d1.9	..	0.7	2.16	2.79	3.42	1.00	1.4	..	0.9	..	0.40	1.93	2.29	2.65
1.7	..	1.0	1.98	2.88	3.78	1.00	1.5	..	0.9	..	0.30	1.98	2.25	2.52
2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.2	..	0.5	0.33	2.88	3.33	3.63
3.6	..	1.0	3.69	4.59	5.49	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.1	..	1.3	3.24	4.41	5.58	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.5	..	1.5	3.60	4.95	6.30	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
5.4	0.8	0.5	5.31	6.03	6.48	1.00	..	4.1	..	0.5	0.33	4.59	5.04	5.34
2.7	..	0.9	2.88	3.69	4.50	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.5	..	1.0	3.60	4.50	5.40	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
2.6	..	0.9	2.79	3.60	4.41	1.20	1.6	..	1.0	..	0.33	2.25	2.55	2.84
2.8	..	0.7	2.97	3.60	4.23	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.5	..	0.8	2.70	3.42	4.14	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
7.5	..	2.0	7.20	9.00	10.80	1.35	4.9	..	3.3	..	0.33	4.90	5.20	5.50
3.9	..	1.5	3.96	5.31	6.66	1.35	3.8	..	2.5	..	0.33	4.05	4.35	4.64
2.2	..	1.1	2.43	3.42	4.41	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
7.5	..	2.0	7.20	9.00	10.80	1.35	4.9	..	3.3	..	0.33	4.90	5.20	5.50
2.8	..	0.8	2.97	3.69	4.41	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.3	..	1.0	2.52	3.42	4.32	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.3	..	0.6	2.52	3.06	3.60	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19

Municipal Electrical RATES AND TYPICAL BILLS in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
†Jellicoe Townsite.....	45	No. 60	4.4	..	..	1.7	2.99	6.05	9.11
Kapuskasing.....	42	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
†Kearns Townsite.....	45	b40	3.5	..	..	1.6	2.63	4.90	6.25
						0.75			
Kemptville.....	45	55	3.2	..	..	1.0	1.99	3.79	5.59
Kincardine.....	45	50	3.1	..	..	1.0	1.84	3.64	5.44
†King Kirkland Townsite.....	45	b40	3.5	..	..	1.6	2.63	4.90	6.25
						0.75			
Kingston.....	38	60	1.8	..	..	0.9	1.30	2.92	4.54
Kingsville.....	40	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Kirkfield.....	45	50	5.0	..	..	1.2	2.79	4.95	7.11
†Kirkland Lake (including Swastika)...	42	..	Special	..	..	..	2.30	4.60	6.60
Kitchener.....	42	60	2.6	..	..	1.3	1.87	4.21	6.55
Lakefield.....	38	55	2.8	..	..	1.0	1.79	3.59	5.39
Lambeth.....	43	60	3.5	..	..	1.3	2.36	4.70	7.04
Lanark.....	36	60	2.5	..	..	1.1	1.75	3.73	5.71
Lancaster.....	43	60	2.3	..	..	1.0	1.60	3.40	5.20
Larder Lake Twp.....	46	60	3.5	..	..	1.1	2.29	4.27	6.25
La Salle.....	52	60	4.6	..	..	1.6	3.06	5.94	8.82
Latchford.....	..	60	5.0	..	..	2.0	3.42	7.02	10.62
Leamington.....	41	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Lindsay.....	44	60	2.6	..	..	1.3	1.87	4.21	6.55
Listowel.....	44	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
London.....	44	60	2.8	..	..	1.2	1.94	4.10	6.26
London Twp.....	39	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Long Branch.....	40	60	2.4	..	..	1.2	1.73	3.89	6.05
L'Original.....	40	50	4.2	2.1	1.2	1.6	2.83	6.21	8.37
Lucan.....	48	60	3.4	..	..	1.4	2.34	4.86	7.38
Lucknow.....	57	55	2.7	..	..	1.0	1.75	3.55	5.35
Lynden.....	45	60	3.2	..	..	1.1	2.12	4.10	6.08
Madoc.....	47	60	2.9	..	..	1.2	2.00	4.16	6.32
Magnetawan.....	52	60	4.7	..	..	2.0	3.26	6.86	10.46
Markdale.....	45	60	2.5	..	..	1.0	1.71	3.51	5.31
Markham.....	45	50	3.0	1.6	1.0	1.3	2.07	4.68	6.48
Marmora.....	48	60	3.6	..	..	1.0	2.30	4.10	5.90
Martintown.....	40	60	4.0	..	..	1.2	2.59	4.75	6.91
Massey.....	48	60	6.0	..	..	2.5	4.14	8.64	13.14
†Matachewan Twp.....	45	50	4.5	..	..	1.0	2.47	4.27	6.07
†Matheson.....	45	b40	3.5	..	..	1.6	2.63	4.90	6.25
						0.75			
†Mattawa.....	45	60	5.3	..	..	1.6	3.44	6.32	9.20
Maxville.....	58	55	3.1	..	..	1.0	1.94	3.74	5.53
McGarry.....	46	60	3.5	..	..	1.1	2.29	4.27	6.25

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	\$	\$	\$	
3.9	..	1.5	3.96	5.31	6.66	1.35	3.8	..	2.5	..	0.33	4.05	4.35	4.64
°2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.7	..	1.0	2.88	3.78	4.68	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.6	..	0.8	2.79	3.51	4.23	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
1.5	..	0.9	1.80	2.61	3.42	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
4.5	..	1.0	4.50	5.40	6.30	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
Spec.	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
2.3	..	1.0	2.52	3.42	4.32	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.4	..	0.8	2.61	3.33	4.05	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
3.1	..	1.1	3.24	4.23	5.22	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
2.0	..	1.0	2.25	3.15	4.05	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
1.8	..	1.0	2.07	2.97	3.87	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.0	..	1.0	3.15	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
4.1	..	1.5	4.14	5.49	6.84	1.35	3.7	..	2.4	..	0.33	3.96	4.26	4.55
4.5	..	2.0	4.50	6.30	8.10	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.42
2.2	..	1.3	2.43	3.60	4.77	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.2	..	0.6	2.43	2.97	3.51	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
°2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
1.9	..	1.1	2.16	3.15	4.14	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
°2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
3.0	..	1.1	3.15	4.14	5.13	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.2	..	0.8	2.43	3.15	3.87	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.7	..	1.0	2.88	3.78	4.68	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.5	..	1.1	2.70	3.69	4.68	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
4.2	..	2.0	4.23	6.03	7.83	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.0	..	1.0	2.25	3.15	4.05	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.2	..	0.9	3.33	4.14	4.95	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
3.5	..	1.2	3.60	4.68	5.76	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
5.5	..	2.5	5.40	7.65	9.90	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
4.8	..	1.6	4.77	6.21	7.65	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.8	..	1.0	2.97	3.87	4.77	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
3.0	..	1.0	3.15	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10

Municipal Electrical RATES AND TYPICAL BILLS in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Meaford.....	46	60	2.6	..	..	1.0	1.76	3.56	5.36
Merlin.....	44	60	3.1	..	..	1.0	2.03	3.83	5.63
Merrickville.....	40	60	3.0	..	..	1.3	2.09	4.43	6.77
Merritton.....	43	60	3.2	..	..	1.3	2.20	4.54	6.88
Midland.....	40	50	2.2	1.1	0.7	1.0	1.48	3.28	4.54
Mildmay.....	40	60	2.5	..	..	1.0	1.71	3.51	5.31
Millbrook.....	48	60	4.6	..	..	1.0	2.84	4.64	6.44
Milton.....	45	60	3.1	..	..	1.6	2.25	5.13	8.01
Milverton.....	48	60	3.4	..	..	1.3	2.30	4.64	6.98
Mimico.....	42	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Mitchell.....	46	60	3.6	..	..	1.4	2.45	4.97	7.49
Moorefield.....	44	60	2.5	..	..	0.9	1.67	3.29	4.91
Morrisburg.....	43	60	3.0	..	..	1.0	1.98	3.78	5.58
Mount Brydges.....	41	50	3.0	1.5	0.8	1.2	2.02	4.41	5.85
Mount Forest.....	39	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Napanee.....	39	60	2.8	..	..	1.1	1.91	3.89	5.87
Neustadt.....	37	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Newboro.....	40	60	4.0	..	..	1.4	2.66	5.18	7.70
Newburgh.....	40	60	4.3	..	..	1.2	2.75	4.91	7.07
Newbury.....	50	60	4.0	..	..	1.0	2.52	4.32	6.12
Newcastle.....	43	60	3.0	..	..	0.9	1.94	3.56	5.18
New Hamburg.....	43	60	3.2	..	..	1.3	2.20	4.54	6.88
†New Liskeard.....	42	..	Special	..	..	..	2.30	4.60	6.60
Newmarket.....	40	60	2.5	..	..	1.0	1.71	3.51	5.31
New Toronto.....	42	60	2.6	..	..	1.2	1.84	4.00	6.16
Niagara.....	41	60	3.0	..	..	1.4	2.12	4.64	7.16
Niagara Falls.....	40	50	3.0	1.4	..	1.0	1.98	4.32	6.12
Nipigon Twp.....	32	60	2.8	..	..	1.0	1.87	3.67	5.47
North Bay.....	42	60	2.5	..	..	1.2	1.78	3.94	6.10
North York Twp.....	43	60	2.7	..	..	1.3	1.93	4.27	6.61
Norwich.....	46	60	3.4	..	..	1.2	2.27	4.43	6.59
Norwood.....	45	50	3.9	..	..	1.1	2.25	4.23	6.21
Oakville.....	44	60	3.0	..	..	1.4	2.12	4.64	7.16
Oil Springs.....	52	60	3.0	..	..	1.0	1.98	3.78	5.58
Omeme.....	44	60	3.3	..	..	1.0	2.14	3.94	5.74
Orangeville.....	45	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Orillia.....	40	60	2.3	..	..	0.9	1.57	3.19	4.81
Orono.....	45	60	3.5	..	..	1.2	2.32	4.48	6.64
Oshawa.....	38	50	2.2	1.1	0.7	1.0	1.48	3.28	4.54
Ottawa (including Eastview and Rockcliffe Park).....	32	a 60	* 2.0	..	..	*0.5	1.74	3.02	3.92
		60	1.0						

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
2.2	..	0.8	2.43	3.15	3.87	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.6	..	0.7	2.79	3.42	4.05	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.5	..	1.2	2.70	3.78	4.86	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
2.7	..	1.1	2.88	3.87	4.86	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
°1.7	0.8	0.5	1.98	2.70	3.15	1.00	..	1.0	..	0.5	0.33	1.80	2.25	2.55
2.0	..	0.9	2.25	3.06	3.87	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
4.2	..	1.0	4.23	5.13	6.03	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.6	..	1.6	2.79	4.23	5.67	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.0	..	1.4	3.15	4.41	5.67	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
3.1	..	1.0	3.24	4.14	5.04	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.0	..	0.9	2.25	3.06	3.87	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.7	..	0.8	2.88	3.60	4.32	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
°2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.5	..	1.0	2.70	3.60	4.50	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
°1.6	0.8	0.5	1.89	2.61	3.06	1.00	..	1.0	..	0.5	0.33	1.80	2.25	2.55
3.5	..	1.2	3.60	4.68	5.76	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
3.8	..	1.2	3.87	4.95	6.03	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.5	..	0.9	3.60	4.41	5.22	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.5	..	0.8	2.70	3.42	4.14	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.7	..	1.2	2.88	3.96	5.04	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
2.2	..	1.0	2.43	3.33	4.23	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
2.5	..	1.2	2.70	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
2.4	..	0.8	2.61	3.33	4.05	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.0	..	0.9	2.25	3.06	3.87	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.2	..	1.3	2.43	3.60	4.77	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
3.0	..	1.0	3.15	4.05	4.95	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.4	..	0.9	3.51	4.32	5.13	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.5	..	1.3	2.70	3.87	5.04	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.6	..	1.0	2.79	3.69	4.59	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.8	..	0.8	2.97	3.69	4.41	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.2	..	0.5	0.33	1.98	2.43	2.73
1.8	..	0.8	2.07	2.79	3.51	1.00	1.4	..	0.9	..	0.30	1.93	2.20	2.47
3.0	..	1.1	3.15	4.14	5.13	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°1.8	0.8	0.5	2.07	2.79	3.24	1.00	..	1.2	..	0.5	0.33	1.98	2.43	2.73
2.0	0.8	0.5	2.25	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
Otterville.....	46	No. 60	\$ 3.0	..	..	1.0	1.98	3.78	5.58
Owen Sound.....	38	60	2.4	..	..	1.1	1.69	3.67	5.65
Paisley.....	45	60	3.5	..	..	1.0	2.25	4.05	5.85
Palmerston.....	44	60	2.6	..	..	1.0	1.76	3.56	5.36
Paris.....	42	60	2.8	..	..	1.3	1.98	4.32	6.66
Parkhill.....	44	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Parry Sound.....	42	60	2.8	..	..	1.2	1.94	4.10	6.26
Penetanguishene.....	45	60	2.5	..	..	1.1	1.75	3.73	5.71
Perth.....	37	55	2.8	..	..	1.0	1.79	3.59	5.39
Peterborough.....	40	60	2.6	..	..	1.3	1.87	4.21	6.55
Petrolia.....	50	60	3.6	..	..	1.2	2.38	4.54	6.70
†Pickle Lake Landing Townsite.....	45	60	4.4	..	..	1.7	2.99	6.05	9.11
Picton.....	41	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Plattsville.....	52	60	3.3	..	..	1.2	2.21	4.37	6.53
Point Edward.....	38	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Port Arthur.....	34	60	2.0	..	..	0.8	1.37	2.81	4.25
Port Burwell.....	49	60	5.0	..	..	2.0	3.42	7.02	10.62
†Port Carling.....	50	a45	4.7	..	..	1.5	2.94	5.94	8.64
Port Colborne.....	41	60	2.8	..	..	1.2	1.94	4.10	6.26
Port Credit.....	42	60	2.7	..	..	1.3	1.93	4.27	6.61
Port Dalhousie.....	43	50	4.4	2.2	1.2	1.6	2.97	6.48	8.64
Port Dover.....	45	60	2.4	..	..	1.2	1.73	3.89	6.05
Port Elgin.....	50	60	3.5	..	..	1.3	2.36	4.70	7.04
Port Hope.....	45	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Port McNicoll.....	48	60	3.3	..	..	1.0	2.14	3.94	5.74
Port Perry.....	41	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Port Rowan.....	50	60	3.2	..	..	1.1	2.12	4.10	6.08
Port Stanley.....	43	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
†Powassan.....	45	b40	3.5	..	..	1.6 0.75	2.63	4.90	6.25
Prescott.....	40	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Preston.....	40	60	3.3	..	..	1.3	2.25	4.59	6.93
Priceville.....	52	60	5.0	..	..	1.5	3.24	5.94	8.64
Princeton.....	48	60	3.0	..	..	1.0	1.98	3.78	5.58
Queenston.....	40	60	2.8	..	..	1.3	1.98	4.32	6.66
†Red Lake Townsite.....	45	60	4.4	..	..	1.7	2.99	6.05	9.11
Red Rock.....	32	60	2.6	..	..	1.1	1.80	3.78	5.76
Renfrew.....	40	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Richmond.....	54	40	4.3	..	..	1.2	2.20	4.36	6.52
Richmond Hill.....	45	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Ridgetown.....	51	60	2.9	..	..	1.1	1.96	3.94	5.92

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
2.5	..	0.8	2.70	3.42	4.14	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.0	0.8	0.5	2.25	2.97	3.42	1.00	1.5	..	1.1	..	0.30	2.07	2.34	2.61
3.0	..	1.0	3.15	4.05	4.95	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.2	..	0.8	2.43	3.15	3.87	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.3	..	0.8	2.52	3.24	3.96	1.00	1.5	..	1.1	..	0.30	2.07	2.34	2.61
2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.2	..	0.5	0.33	2.88	3.33	3.63
2.3	..	1.2	2.52	3.60	4.68	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.1	..	1.0	2.34	3.24	4.14	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.0	..	0.6	2.25	2.79	3.33	1.00	1.3	..	0.8	..	0.25	1.84	2.07	2.29
2.1	..	1.2	2.34	3.42	4.50	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.1	..	1.0	3.24	4.14	5.04	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
3.9	..	1.5	3.96	5.31	6.66	1.35	3.8	..	2.5	..	0.33	4.05	4.35	4.64
2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
3.0	..	1.0	3.15	4.05	4.95	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
1.9	..	0.4	2.16	2.52	2.88	1.00	1.4	..	0.9	..	0.25	1.93	2.16	2.38
4.5	..	2.0	4.50	6.30	8.10	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
4.5	..	0.8	4.50	5.22	5.94	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.5	..	1.1	2.70	3.69	4.68	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.2	..	1.2	2.43	3.51	4.59	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.6	..	0.5	0.33	3.24	3.69	3.99
2.0	..	1.0	2.25	3.15	4.05	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.8	..	1.0	2.97	3.87	4.77	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
2.8	..	0.8	2.97	3.69	4.41	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.7	..	0.9	2.88	3.69	4.50	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
2.8	..	0.9	2.97	3.78	4.59	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
4.5	..	1.5	4.50	5.85	7.20	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
2.7	..	0.8	2.88	3.60	4.32	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.4	..	1.2	2.61	3.69	4.77	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.9	..	1.5	3.96	5.31	6.66	1.35	3.8	..	2.5	..	0.33	4.05	4.35	4.64
2.1	..	1.0	2.34	3.24	4.14	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
4.0	..	1.0	4.05	4.95	5.85	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.3	..	0.5	0.33	2.97	3.42	3.72
2.4	..	0.9	2.61	3.42	4.23	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43

**Municipal Electrical
RATES AND TYPICAL BILLS
in effect**

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Ripley.....	43	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Riverside.....	41	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Rockland.....	33	60	4.0	..	..	1.2	2.59	4.75	6.91
Rockwood.....	48	60	3.3	..	..	1.3	2.25	4.59	6.93
Rodney.....	52	60	2.5	..	..	1.0	1.71	3.51	5.31
Rosseau.....	43	60	3.5	..	..	1.6	2.47	5.35	8.23
Russell.....	36	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
St. Catharines.....	42	60	2.7	..	..	1.5	2.00	4.70	7.40
St. Clair Beach.....	50	60	4.1	..	..	1.5	2.75	5.45	8.15
St. George.....	44	60	2.5	..	..	0.9	1.67	3.29	4.91
St. Jacobs.....	42	60	3.0	..	..	1.1	2.02	4.00	5.98
St. Mary's.....	43	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
St. Thomas.....	43	60	3.2	..	..	1.2	2.16	4.32	6.48
°Sandwich East Twp.....	43	50	4.6	2.3	1.3	1.6	3.10	6.79"	9.13
°Sandwich West Twp.....	43	50	4.5	2.3	1.4	1.6	3.06	6.79	9.31
Sarnia.....	44	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Scarborough Twp.....	43	60	2.7	..	..	1.3	1.93	4.27	6.61
Schreiber Twp.....	35	60	2.7	..	..	1.0	1.82	3.62	5.42
Seaforth.....	47	60	3.1	..	..	1.2	2.11	4.27	6.43
Shelburne.....	45	60	3.0	..	..	1.2	2.05	4.21	6.37
Simcoe.....	42	60	2.5	..	..	1.0	1.71	3.51	5.31
Sioux Lookout.....	51	60	4.0	..	..	1.5	2.70	5.40	8.10
Smith's Falls.....	38	60	2.6	..	..	1.0	1.76	3.56	5.36
Smithville.....	45	60	3.2	..	..	1.2	2.16	4.32	6.48
Southampton.....	48	50	3.2	..	..	1.1	1.93	3.91	5.89
†South Porcupine Townsite.....	42	..	Special	..	..	..	2.30	4.60	6.60
Springfield.....	49	60	3.4	..	..	0.9	2.16	3.78	5.40
Stamford Twp.....	40	60	3.2	..	..	1.4	2.23	4.75	7.27
Stayner.....	41	60	3.0	..	..	1.2	2.05	4.21	6.37
Stirling.....	40	60	2.7	..	..	1.3	1.93	4.27	6.61
Stoney Creek.....	41	50	3.0	1.5	0.8	1.2	2.02	4.41	5.85
Stouffville.....	45	60	2.6	..	..	1.1	1.80	3.78	5.76
Stratford.....	43	60	2.9	..	..	1.2	2.00	4.16	6.32
Strathroy.....	42	60	3.1	..	..	0.9	2.00	3.62	5.24
Streetsville.....	42	60	2.9	..	..	1.3	2.03	4.37	6.71
Sturgeon Falls.....	41	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Sudbury.....	43	60	2.6	..	..	1.2	1.84	4.00	6.16
Sunderland.....	45	60	3.5	..	..	1.0	2.25	4.05	5.85
Sundridge.....	52	60	4.2	..	..	1.6	2.84	5.72	8.60
Sutton.....	48	60	2.7	..	..	1.0	1.82	3.62	5.42

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand							First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours			
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours							100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
°2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
3.5	..	1.0	3.60	4.50	5.40	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.8	..	1.2	2.97	4.05	5.13	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.2	..	0.8	2.43	3.15	3.87	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
3.0	..	1.6	3.15	4.59	6.03	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
°2.0	0.8	0.5	2.25	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
d2.3	..	1.1	2.52	3.51	4.50	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
3.6	..	1.4	3.69	4.95	6.21	1.35	3.7	..	2.4	..	0.33	3.96	4.26	4.55
2.0	..	0.6	2.25	2.79	3.33	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.5	..	1.0	2.70	3.60	4.50	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.3	..	0.6	2.52	3.06	3.60	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
4.1	0.8	0.5	4.14	4.86	5.31	1.00	..	3.6	..	0.5	0.33	4.14	4.59	4.89
4.1	0.8	0.5	4.14	4.86	5.31	1.00	..	3.6	..	0.5	0.33	4.14	4.59	4.89
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.2	..	1.1	2.43	3.42	4.41	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.2	..	1.0	2.43	3.33	4.23	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.6	..	0.9	2.79	3.60	4.41	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.5	..	1.2	2.70	3.78	4.86	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.0	..	0.8	2.25	2.97	3.69	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
3.5	..	2.0	3.60	5.40	7.20	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.0	..	0.7	2.25	2.88	3.51	1.00	1.5	..	1.1	..	0.25	2.07	2.29	2.52
2.8	..	1.1	2.97	3.96	4.95	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.9	..	1.1	3.06	4.05	5.04	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
2.9	..	0.8	3.06	3.78	4.50	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.9	..	1.3	3.06	4.23	5.40	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.5	..	1.2	2.70	3.78	4.86	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.2	..	1.3	2.43	3.60	4.77	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.1	..	1.1	2.34	3.33	4.32	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.4	..	0.7	2.61	3.24	3.87	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.5	..	0.6	2.70	3.24	3.78	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.4	..	1.3	2.61	3.78	4.95	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
°2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
2.4	..	1.2	2.61	3.69	4.77	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.0	..	0.8	3.15	3.87	4.59	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
3.7	..	1.6	3.78	5.22	6.66	1.35	3.4	..	2.2	..	0.33	3.73	4.03	4.33
2.4	..	0.7	2.61	3.24	3.87	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29

Municipal Electrical RATES AND TYPICAL BILLS in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Swansea.....	44	60	2.4	..	..	1.3	1.76	4.10	6.44
Tara.....	48	60	2.8	..	..	1.2	1.94	4.10	6.26
Tavistock.....	44	60	2.7	..	..	1.4	1.96	4.48	7.00
Tecumseh.....	41	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Teeswater.....	42	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Terrace Bay.....	35	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Thamesford.....	49	60	3.6	..	..	1.5	2.48	5.18	7.88
Thamesville.....	45	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Thedford.....	56	60	3.6	..	..	1.0	2.30	4.10	5.90
Thessalon.....	49	50	4.0	2.0	1.2	1.6	2.70	5.94	8.10
Thornbury.....	48	60	3.5	..	..	1.3	2.36	4.70	7.04
Thorndale.....	42	50	3.6	1.8	1.0	1.4	2.43	5.31	7.11
†Thornloe.....	..	..	Special	..	..	..	2.30	4.60	6.60
Thornton.....	62	60	3.8	..	..	1.0	2.41	4.21	6.01
Thorold.....	40	60	2.7	..	..	1.4	1.96	4.48	7.00
Tilbury.....	51	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Tillsonburg.....	43	60	3.2	..	..	1.2	2.16	4.32	6.48
†Timmins (including Schumacher).....	42	..	Special	..	..	..	2.30	4.60	6.60
Toronto (including Leaside).....	**	60	2.0	..	..	1.4	1.58	4.10	6.62
Toronto Twp.....	42	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Tottenham.....	44	50	3.5	..	..	1.0	2.25	4.05	5.85
Trafalgar Twp.....	43	60	3.8	..	..	2.0	2.77	6.37	9.97
Trenton.....	33	60	1.8	..	..	0.8	1.26	2.70	4.14
Tweed.....	33	50	1.8	0.9	0.7	1.0	1.21	2.74	4.00
Uxbridge.....	41	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Vankleek Hill.....	41	60	4.5	..	..	1.5	2.97	5.67	8.37
Victoria Harbour.....	49	60	3.2	..	..	1.3	2.20	4.54	6.88
Walkerton.....	40	50	3.2	..	..	1.1	1.94	3.92	5.90
Wallaceburg.....	48	60	3.1	..	..	1.2	2.11	4.27	6.43
Wardsville.....	52	60	3.6	..	..	0.9	2.27	3.89	5.51
Warkworth.....	52	50	3.5	..	..	1.2	2.12	4.28	6.44
Wasaga Beach.....	42	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Waterdown.....	42	60	2.6	..	..	1.2	1.84	4.00	6.16
Waterford.....	44	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Waterloo.....	42	60	2.6	..	..	1.1	1.80	3.78	5.76
Watford.....	46	60	3.1	..	..	1.1	2.07	4.05	6.03
Waubashene.....	45	60	3.2	..	..	1.2	2.16	4.32	6.48
Webbwood.....	52	60	6.0	..	..	2.5	4.14	8.64	13.14
Welland.....	42	60	2.4	..	..	1.1	1.69	3.67	5.65
Wellesley.....	45	60	3.3	..	..	1.3	2.25	4.59	6.93

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
2.0	..	1.3	2.25	3.42	4.59	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.4	..	1.0	2.61	3.51	4.41	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
2.3	..	1.4	2.52	3.78	5.04	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
°2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
°1.8	0.8	0.5	2.07	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.07	2.52	2.82
3.1	..	1.4	3.24	4.50	5.76	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
°2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.2	..	0.7	3.33	3.96	4.59	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
4.0	0.8	0.5	4.05	4.77	5.22	1.00	..	3.2	..	0.5	0.33	3.78	4.23	4.53
3.1	..	1.3	3.24	4.41	5.58	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
°3.2	0.8	0.5	3.33	4.05	4.50	1.00	..	2.4	..	0.5	0.33	3.06	3.51	3.81
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
3.3	..	1.0	3.42	4.32	5.22	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.2	..	1.2	2.43	3.51	4.59	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
2.7	..	1.0	2.88	3.78	4.68	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
c2.1	..	0.7	2.65	3.28	3.91	1.10	2.1	..	1.4	..	0.38	2.56	2.91	3.25
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
3.0	..	1.0	3.15	4.05	4.95	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.3	..	1.9	3.42	5.13	6.84	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
1.6	..	0.6	1.89	2.43	2.97	1.00	1.5	..	1.1	..	0.25	2.07	2.29	2.52
°1.6	0.8	0.5	1.89	2.61	3.06	1.00	..	0.8	..	0.5	0.33	1.62	2.07	2.37
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
4.0	..	1.5	4.05	5.40	6.75	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.7	..	1.3	2.88	4.05	5.22	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.4	..	0.9	2.61	3.42	4.23	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.6	..	0.9	2.79	3.60	4.41	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.2	..	0.8	3.33	4.05	4.77	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.0	..	1.0	3.15	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
°3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.15	3.60	3.90
2.2	..	1.2	2.43	3.51	4.59	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.2	..	1.0	2.43	3.33	4.23	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.8	..	0.9	2.97	3.78	4.59	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.6	..	1.2	2.79	3.87	4.95	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
5.5	..	2.5	5.40	7.65	9.90	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.1	..	1.0	2.34	3.24	4.14	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.8	..	1.2	2.97	4.05	5.13	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29

Municipal Electrical RATES AND TYPICAL BILLS in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Wellington.....	41	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
West Ferris Twp.....	46	60	3.8	..	..	1.5	2.59	5.29	7.99
West Lorne.....	52	60	3.3	..	..	1.2	2.21	4.37	6.53
Weston.....	43	60	2.5	..	..	1.2	1.78	3.94	6.10
Westport.....	40	60	3.0	..	..	1.0	1.98	3.78	5.58
Wheatley.....	53	60	3.3	..	..	1.2	2.21	4.37	6.53
Whitby.....	41	60	2.7	..	..	1.2	1.89	4.05	6.21
Warton.....	43	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Williamsburg.....	40	60	2.0	..	..	0.8	1.37	2.81	4.25
Winchester.....	42	60	2.5	..	..	1.2	1.78	3.94	6.10
Windermere.....	66	60	4.0	..	..	1.5	2.70	5.40	8.10
Windsor.....	40	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Wingham.....	45	60	2.6	..	..	1.0	1.76	3.56	5.36
Woodbridge.....	44	60	2.8	..	..	1.2	1.94	4.10	6.26
Woodstock.....	39	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Woodville.....	48	60	3.8	..	..	1.2	2.48	4.64	6.80
Wyoming.....	50	60	3.4	..	..	1.0	2.20	4.00	5.80
York Twp.....	42	50	2.2	1.1	0.7	1.0	1.48	3.28	4.54
Zurich.....	51	60	3.7	..	..	1.2	2.43	4.59	6.75

NOTES

Service Charges

- 33 ¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66 ¢ per month when 2,000 watts or more.
- 56 ¢ per month.
- Demand rate 8.5 ¢ per 100 watts, minimum 50 ¢.
- Minimum demand charge 25 ¢.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
*1.8	0.8	0.5	2.07	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.07	2.52	2.82
.3.3	..	1.2	3.42	4.50	5.58	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.8	..	1.2	2.97	4.05	5.13	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
2.0	..	1.0	2.25	3.15	4.05	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.5	..	1.0	2.70	3.60	4.50	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.9	..	1.2	3.06	4.14	5.22	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.3	..	1.0	2.52	3.42	4.32	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
*2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.0	..	0.8	2.25	2.97	3.69	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.0	..	1.1	2.25	3.24	4.23	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
4.0	..	1.5	4.05	5.40	6.75	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
*2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
2.1	..	1.0	2.34	3.24	4.14	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.3	..	1.2	2.52	3.60	4.68	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
*2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
3.2	..	1.2	3.33	4.41	5.49	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.9	..	0.7	3.06	3.69	4.32	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.15
*1.7	0.8	0.5	1.98	2.70	3.15	1.00	..	1.2	..	0.5	0.33	1.98	2.43	2.73
3.4	..	0.9	3.51	4.32	5.13	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10

NOTES

Special Rates or Discounts

*2-wire service next 80 kwh; 3-wire service next 180 kwh.

*First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢.

**Flat-rate water-heater service—Toronto:

System-owned—First 400 watts \$2.90 per month.

Each 100 watts additional 40¢ per month, plus a monthly charge for larger tank sizes as follows:

30¢ for 1,000-watt and 1,200-watt heaters.

40¢ for 1,500-watt heaters.

50¢ for 2,000-watt and 2,500-watt heaters.

55¢ for heaters 3,000 watts and over.

Customer-owned—First 400 watts \$1.98 per month.

Each 100 watts additional 40¢ per month.

*Commercial customers with a connected load of under 5 kilowatts billed at domestic rates.

*Farm customers billed at standard rural rates.

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Ancaster Twp.....	11,854	1,021	84,782.46	6,737,718	949	592	1.26
Barrie.....	18,645	5,783	322,991.41	32,916,096	5,012	547	0.98
Belleville.....	20,832	7,112	315,579.48	40,205,132	5,977	561	0.78
Brampton.....	13,518	4,122	247,064.32	20,813,098	3,604	481	1.18
Brantford.....	51,669	16,993	805,791.33	70,538,964	14,709	400	1.14
Brockville.....	15,456	4,813	231,176.75	21,844,761	4,190	434	1.06
Burlington.....	32,635	3,288	202,016.05	18,237,608	2,877	528	1.11
Chatham.....	22,259	7,475	305,320.71	16,624,658	6,229	222	1.84
Dundas.....	10,210	3,267	173,072.27	14,107,894	2,897	406	1.23
● East York Twp.....	69,182	20,777	1,239,287.57	107,493,523	19,607	.....	.....
Etobicoke Twp.....	111,958	38,034	2,615,706.31	231,135,770	35,125	548	1.13
Forest Hill.....	19,944	6,804	526,624.53	45,435,780	6,102	621	1.16
Fort William.....	40,287	12,510	651,587.13	84,415,470	10,868	647	0.77
Galt.....	24,555	8,091	421,520.58	36,140,687	7,140	422	1.17
Guelph.....	34,323	10,656	616,106.07	55,335,691	9,478	487	1.11
Hamilton.....	240,891	72,887	3,539,333.78	313,564,384	63,642	411	1.13
Kingston.....	46,239	14,818	761,576.54	83,582,500	13,070	533	0.91
† Kirkland Lake (including Swastika).....	\$19,394	5,547	261,516.79	18,165,258	4,665	324	1.44
Kitchener.....	62,076	19,701	1,224,421.33	108,073,131	17,734	508	1.13
Lindsay.....	10,331	3,590	198,217.54	15,523,037	3,042	425	1.28
London.....	98,318	30,896	1,475,445.18	120,476,744	27,718	362	1.22
● London Twp.....	34,181	940	61,773.34	4,572,510	920	.....	.....
Long Branch.....	10,532	3,912	198,238.74	17,728,493	3,534	418	1.12
● Mimico.....	13,838	4,895	243,791.52	21,968,339	4,673	.....	.....
● New Toronto.....	10,080	3,431	175,630.63	15,963,337	3,159	.....	.....
● Niagara Falls.....	23,852	7,467	389,091.47	32,151,089	6,863	390	1.21
North Bay.....	22,001	6,715	385,703.42	34,273,174	5,637	507	1.13
North York Twp.....	182,942	56,783	4,048,392.94	339,722,077	51,960	545	1.19
Oakville.....	10,147	3,405	176,443.33	13,277,420	2,786	397	1.33
Orillia.....	13,973	5,038	224,418.74	22,769,859	4,265	445	0.99
● Oshawa.....	52,143	16,370	797,319.91	95,524,826	14,760	539	0.83
● Ottawa (including Eastview and Rockcliffe Park).....	248,981	76,353	3,681,067.85	472,923,445	66,471	.....	.....
● Owen Sound.....	17,485	5,921	288,742.33	26,264,161	5,458	.....	.....
Peterborough.....	43,568	13,891	774,525.00	79,671,948	12,301	540	0.97
Port Arthur.....	38,316	12,306	613,856.86	72,300,270	10,773	559	0.85
Port Colborne.....	14,634	4,471	171,872.93	13,097,746	3,906	279	1.31
● Richmond Hill.....	10,932	3,476	248,795.61	18,074,927	3,194	472	1.38
● Riverside.....	14,798	4,634	243,538.62	16,883,121	4,507	.....	.....
St. Catharines.....	40,632	13,814	716,791.04	57,315,274	11,933	400	1.25
St. Thomas.....	19,202	6,822	333,642.91	27,440,009	5,967	383	1.22

† Local system

● New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

§ Estimated

**Utilities and Local Systems
AND CONSUMPTION
December 31, 1957
Population 10,000 or more**

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Ave- rage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
15,618.83	589,290	63	779	2.65	3,379.51	199,680	9	102	1,849	1.69
151,451.64	10,608,305	677	1,306	1.43	149,838.29	17,794,417	94	5,910	15,775	0.84
186,468.55	16,323,051	985	1,381	1.14	130,816.58	16,575,924	150	5,526	9,209	0.79
99,075.31	6,095,968	413	1,230	1.63	104,807.46	9,794,773	105	3,571	7,774	1.07
311,103.30	24,470,452	1,956	1,043	1.27	752,415.93	76,954,922	328	27,635	19,552	0.98
88,161.93	6,684,926	534	1,043	1.32	252,171.84	30,276,352	89	8,419	28,349	0.83
106,017.13	6,058,913	364	1,387	1.75	44,236.93	2,839,060	47	1,166	5,034	1.56
341,683.75	16,220,710	1,032	1,310	2.11	405,538.38	32,253,945	214	11,526	12,560	1.26
71,570.93	3,988,462	297	1,119	1.79	95,405.59	8,262,193	73	3,469	9,432	1.15
229,333.50	16,473,309	997	.....	.....	299,133.05	31,057,900	173	9,894	.....	.....
685,821.04	48,211,624	2,304	1,744	1.42	1,163,684.26	138,346,105	605	37,450	19,056	0.84
154,309.28	9,689,030	605	1,335	1.59	28,903.41	2,246,575	97	1,050	1,930	1.29
307,258.60	30,036,015	1,425	1,757	1.02	494,062.95	55,763,351	217	20,652	21,414	0.89
163,550.45	9,227,095	757	1,016	1.77	428,057.21	41,922,533	194	14,205	18,008	1.02
228,011.91	15,288,797	987	1,291	1.49	424,326.86	49,250,715	191	14,811	21,488	0.86
1,830,970.81	144,780,572	7,856	1,536	1.26	7,243,771.56	1,040,851,608	1,389	225,102	62,446	0.70
524,535.37	43,983,947	1,506	2,434	1.19	356,927.18	35,080,074	242	11,768	12,080	1.02
145,997.24	9,888,571	763	1,080	1.48	62,840.34	5,183,303	119	1,680	3,630	1.21
545,524.26	34,260,046	1,604	1,780	1.59	1,252,552.23	119,876,275	363	35,429	27,520	1.04
105,438.26	5,638,832	463	1,015	1.87	111,417.37	12,621,891	85	3,367	12,374	0.88
801,447.29	58,693,178	2,752	1,777	1.37	1,162,251.99	134,649,679	426	38,390	26,340	0.86
7,564.87	371,820	15	.....	.....	8,626.71	793,157	5	217	.....	.....
56,294.40	3,775,759	335	939	1.49	66,524.54	5,590,399	43	2,281	10,834	1.19
85,424.90	5,838,874	158	.....	.....	64,666.63	4,913,021	64	2,170	.....	.....
103,710.41	7,243,439	193	.....	.....	516,411.30	64,190,440	79	16,114	.....	.....
290,777.01	23,171,863	548	3,523	1.25	236,136.71	24,890,496	56	7,131	37,039	0.95
220,889.95	16,203,671	945	1,429	1.36	120,563.22	10,428,512	133	3,577	6,534	1.16
1,461,161.53	87,001,418	4,075	1,779	1.68	1,090,362.74	102,563,201	748	35,297	11,426	1.06
137,861.88	7,513,874	519	1,206	1.83	168,260.55	16,976,882	100	5,422	14,147	0.99
131,418.04	9,822,042	640	1,279	1.34	285,513.28	29,560,643	133	11,413	18,522	0.97
321,548.81	26,543,314	1,376	1,608	1.21	1,077,693.77	134,074,393	234	34,826	47,747	0.80
3,709,252.76	298,487,406	9,657	.....	.....	610,819.25	54,589,043	225	20,886	.....	.....
126,047.73	8,370,452	328	.....	.....	147,458.05	12,870,011	135	5,862	.....	.....
367,331.21	23,908,838	1,357	1,468	1.54	535,619.56	64,705,784	233	19,193	23,142	0.83
317,714.31	28,720,834	1,356	1,765	1.11	559,591.49	59,910,597	177	24,157	28,207	0.93
90,586.48	4,869,754	494	821	1.86	78,813.04	7,673,819	71	2,477	9,007	1.03
49,418.86	2,598,870	237	914	1.90	54,399.98	3,984,985	45	1,442	7,380	1.37
32,438.88	2,058,148	99	.....	.....	31,690.28	1,799,557	28	1,105	.....	.....
411,955.87	24,024,464	1,601	1,251	1.71	1,021,535.57	101,466,629	280	29,720	30,198	1.01
151,684.35	11,033,018	745	1,234	1.37	240,887.40	26,120,970	110	8,490	19,789	0.92

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
● Sandwich East Twp.....	20,768	5,808	353,443.18	14,838,691	5,610	220	2.38
● Sandwich West Twp.....	20,747	6,116	454,865.07	22,208,606	5,816	318	2.05
● Sarnia.....	44,953	13,797	633,760.06	48,558,989	12,931	.....	.....
Scarborough Twp.....	151,885	48,390	3,377,683.34	260,536,249	44,896	484	1.30
Stamford Twp.....	27,156	7,861	517,502.79	45,074,931	7,339	512	1.15
Stratford.....	20,359	6,800	405,777.48	35,573,146	5,993	495	1.14
Sudbury.....	47,701	15,480	946,959.95	79,591,458	13,671	485	1.19
† Timmins (including Schumacher)...	\$30,726	9,217	453,222.60	32,495,110	7,936	341	1.39
Toronto (including Leaside).....	662,507	201,881	11,178,122.21	892,304,830	167,355	444	1.25
● Toronto Twp.....	48,446	12,491	1,010,715.05	77,169,809	11,736	.....	.....
Trafalgar Twp.....	18,430	4,453	425,064.28	27,984,357	4,267	547	1.52
Trenton.....	11,321	3,678	161,541.48	20,124,973	3,226	520	0.80
Waterloo.....	17,323	5,395	332,615.10	31,975,298	4,914	542	1.04
Welland.....	17,324	5,169	173,941.84	14,251,608	4,428	268	1.22
● Windsor.....	120,551	37,058	1,424,793.87	124,290,639	34,147	303	1.15
● Woodstock.....	18,422	6,250	356,734.01	30,929,771	5,737	.....	.....
● York Twp.....	117,503	37,584	1,852,689.86	195,674,602	36,134	451	0.95

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

§ Estimated

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Population 10,000 or more—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
68,723.48	3,003,020	153	1,636	2.29	109,983.13	5,054,846	45	2,365	9,361	2.18
107,237.56	4,940,277	249	1,653	2.17	90,698.73	4,532,204	51	1,964	7,406	2.00
302,573.19	20,356,652	724	.....	.....	1,049,100.96	146,058,913	142	23,991	.....	.....
835,724.99	50,286,339	3,005	1,395	1.66	1,271,984.22	128,800,716	489	36,178	21,950	0.99
150,410.74	6,938,434	450	1,285	2.17	142,347.70	13,766,216	72	4,240	15,933	1.03
151,364.25	9,640,914	643	1,249	1.57	210,514.06	20,504,814	164	7,153	10,419	1.03
484,415.36	27,958,145	1,608	1,449	1.73	148,628.77	11,583,405	201	4,434	4,802	1.28
209,280.02	13,041,214	1,140	953	1.60	55,525.23	2,548,691	141	1,667	1,506	2.18
8,692,870.18	583,541,250	27,967	1,739	1.49	13,153,215.98	1,298,509,129	6,559	357,136	16,498	1.01
290,907.37	16,327,953	584	.....	.....	1,179,322.11	144,802,037	171	26,722	.....	.....
54,102.66	2,039,324	149	1,141	2.65	61,353.51	3,677,067	37	1,771	8,282	1.67
71,637.86	6,308,112	369	1,425	1.14	295,067.37	47,143,463	83	9,680	47,333	0.63
108,879.89	6,611,894	380	1,450	1.65	237,947.33	21,731,947	101	6,803	17,931	1.09
147,702.22	9,506,845	613	1,292	1.55	365,035.20	37,711,630	128	10,794	24,552	0.97
764,036.59	56,768,552	2,165	2,185	1.35	1,871,518.44	176,552,807	746	50,947	19,722	1.06
174,395.22	9,929,363	375	.....	.....	324,227.36	35,056,745	138	10,141	.....	.....
372,179.60	29,739,364	1,030	2,406	1.25	563,549.43	57,489,098	420	20,249	11,407	1.19

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Acton.....	3,903	1,269	75,257.51	6,023,147	1,105	454	1.25
Ajax.....	7,058	2,051	126,457.71	9,601,450	1,834	436	1.32
Alexandria.....	2,436	829	32,374.37	2,681,581	671	333	1.21
Alliston.....	2,896	994	46,676.13	4,236,393	813	434	1.10
Almonte.....	3,053	1,017	41,550.62	4,443,866	863	429	0.94
Amherstburg.....	4,377	1,368	88,389.50	6,821,256	1,140	499	1.30
● Arnprior.....	5,336	1,643	88,348.26	7,260,858	1,466	.....	.....
● Atikokan Twp.....	6,961	1,875	144,261.28	9,910,923	1,746	473	1.46
● Aurora.....	3,976	1,494	75,673.75	7,177,072	1,267	.....	.....
Aylmer.....	4,408	1,558	64,758.81	5,980,856	1,291	386	1.08
Bancroft.....	2,414	747	30,036.81	1,950,700	618	263	1.54
Beamsville.....	2,152	773	42,608.54	4,013,107	658	508	1.06
Blenheim.....	2,840	1,058	30,034.76	1,875,230	857	182	1.60
† Blind River.....	3,719	1,096	55,921.23	3,063,013	886	288	1.83
Bowmanville.....	6,906	2,329	118,518.90	10,634,870	2,050	432	1.11
Bracebridge.....	2,810	1,243	60,099.20	4,266,988	1,002	355	1.41
Bradford.....	2,124	742	35,151.65	2,891,345	578	417	1.22
Brantford Twp.....	6,483	1,822	196,146.75	10,857,386	1,614	561	1.81
Brighton.....	2,117	937	42,517.00	3,244,356	764	354	1.31
Bronte.....	2,114	637	37,935.62	2,534,180	563	375	1.50
†* Burlington Beach.....	.....	.....	9,770.64	806,650	.....	.....	.....
Caledonia.....	2,074	775	24,523.15	1,783,930	629	236	1.37
Capreol.....	2,564	847	57,416.04	3,949,578	760	433	1.45
Cardinal.....	2,075	637	32,406.12	2,752,213	561	409	1.18
● Carleton Place.....	4,684	1,670	71,197.51	6,662,287	1,550	.....	.....
Chapleau Twp.....	3,496	922	73,452.78	1,333,334	808	138	5.51
Chippawa.....	2,134	725	37,944.96	3,218,110	657	408	1.18
Clinton.....	2,920	1,118	60,502.66	4,706,189	910	431	1.29
† Cobalt.....	2,232	733	36,473.61	2,182,321	605	301	1.67
Cobourg.....	8,548	3,056	183,169.43	15,295,029	2,659	479	1.20
Cochrane.....	3,753	1,216	79,573.55	6,046,551	996	506	1.32
Collingwood.....	7,880	2,841	120,319.18	9,897,454	2,421	341	1.22
● Coniston.....	2,493	623	35,517.32	2,483,425	606	342	1.43
Delhi.....	3,140	1,259	48,568.08	4,015,955	1,001	334	1.21
● Dresden.....	2,216	873	24,080.33	1,341,625	787	.....	.....
Dryden.....	4,767	1,486	102,672.87	7,733,874	1,284	502	1.33
Dunnville.....	4,996	1,826	56,376.46	3,367,758	1,508	186	1.67
Durham.....	2,051	805	30,871.04	2,442,910	652	312	1.26
● Elmira.....	2,839	1,056	55,303.15	4,909,145	967	.....	.....
Essex.....	3,464	1,165	39,018.64	2,613,290	953	229	1.49

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

* 2 months' operation, see Hamilton

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Population 2,000 to 9,999

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
26,683.06	1,343,155	136	823	1.99	86,295.33	6,488,155	28	2,385	19,310	1.33
43,653.50	1,909,369	162	982	2.29	137,804.87	10,787,161	55	3,521	16,344	1.28
20,514.28	1,269,833	138	767	1.62	21,893.33	1,204,522	20	632	5,019	1.82
21,765.78	1,114,558	156	595	1.95	12,815.76	924,207	25	452	3,081	1.39
16,824.60	1,026,489	128	668	1.64	29,509.76	3,259,587	26	1,022	10,447	0.91
37,845.57	2,162,086	198	910	1.75	58,029.82	4,623,965	30	1,589	12,844	1.25
39,874.74	2,471,808	143	.....	.....	62,654.24	5,145,431	34	1,892	.....	.....
62,599.80	3,317,772	104	2,658	1.89	13,739.79	902,930	25	391	3,010	1.52
37,221.27	2,641,301	188	.....	.....	46,931.82	4,049,368	39	1,583	.....	.....
38,752.87	2,775,560	231	1,001	1.40	60,576.81	5,186,740	36	1,984	12,006	1.17
20,231.61	945,340	120	657	2.14	4,191.44	169,160	9	154	1,566	2.48
16,178.88	976,997	103	790	1.66	9,316.78	518,085	12	344	3,598	1.80
31,216.55	1,625,589	178	761	1.92	28,170.44	1,378,800	23	792	4,996	2.04
47,832.98	2,223,304	196	945	2.15	16,588.72	1,021,255	14	391	6,079	1.62
40,283.63	2,368,586	241	819	1.70	86,088.01	9,870,034	38	2,775	21,644	0.87
43,648.80	2,911,042	221	1,098	1.50	11,876.48	716,106	20	463	2,984	1.66
25,591.33	1,173,759	135	725	2.18	19,335.63	1,541,452	29	539	4,429	1.25
49,531.91	2,194,480	176	1,039	2.26	81,707.74	4,202,847	32	2,037	10,945	1.94
21,816.01	1,016,426	161	526	2.15	8,100.58	576,350	12	291	4,002	1.41
10,450.51	544,875	65	699	1.92	3,509.45	207,426	9	122	1,921	1.69
2,627.49	150,285	.....	.....	.....	413.24	8,486	.....	68	.....	.....
16,510.68	1,017,432	125	678	1.62	11,262.28	711,783	21	337	2,825	1.58
10,668.61	669,610	85	656	1.59	14,147.58	1,315,920	2	293	54,830	1.08
9,187.78	480,880	71	564	1.91	1,448.00	94,528	5	42	1,575	1.53
27,971.59	1,508,808	95	.....	.....	37,593.88	3,646,403	25	1,329	.....	.....
33,691.68	519,992	98	442	6.48	13,938.42	412,740	16	162	2,150	3.38
9,017.15	478,159	64	623	1.89	1,683.01	121,958	4	59	2,541	1.38
30,696.78	1,547,944	182	709	1.98	22,670.59	1,403,515	26	607	4,498	1.62
25,181.01	1,022,455	117	728	2.46	7,987.70	693,844	11	225	5,256	1.15
84,243.12	4,876,679	333	1,220	1.73	132,269.28	12,864,614	64	3,921	16,751	1.03
50,082.83	2,736,020	191	1,194	1.83	18,834.69	1,397,739	29	543	4,016	1.35
66,328.45	4,042,489	358	941	1.64	81,711.38	7,214,771	62	2,990	9,697	1.13
5,371.31	252,160	16	1,313	2.13	305.64	10,600	1	11	883	2.88
38,996.53	2,092,209	217	804	1.86	34,276.54	2,254,103	41	1,054	4,582	1.52
27,155.79	1,410,259	60	.....	.....	25,674.60	1,381,526	26	804	.....	.....
72,903.61	2,970,535	180	1,375	2.45	7,676.38	414,700	22	245	1,571	1.85
50,829.83	2,624,982	280	781	1.94	81,061.10	6,520,631	38	2,035	14,300	1.24
18,493.24	919,510	128	599	2.01	25,124.03	1,423,188	25	771	4,744	1.77
25,828.25	1,470,551	61	.....	.....	66,401.10	6,067,009	28	1,920	.....	.....
30,935.11	1,775,562	178	831	1.74	20,902.44	1,119,196	34	735	2,743	1.87

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Exeter	2,699	1,133	61,428.24	4,564,931	927	410	1.35
Fergus	3,710	1,274	78,550.78	5,693,006	1,097	432	1.38
● Forest	2,025	844	39,387.85	3,491,510	773	.....	.....
Georgetown	6,534	2,599	164,180.71	12,291,592	2,360	434	1.34
† Geraldton	3,054	994	53,739.40	2,904,697	829	292	1.85
Goderich	5,775	2,202	123,864.42	8,882,791	1,842	402	1.39
Gravenhurst	3,030	1,285	50,064.93	4,802,315	1,064	376	1.04
Grimsby	4,289	1,535	62,384.52	5,565,385	1,278	363	1.12
Hagersville	2,010	723	23,200.07	1,699,063	553	256	1.37
† Haileybury	2,474	845	45,827.69	3,537,899	692	426	1.30
Hanover	4,043	1,457	63,595.90	5,860,595	1,245	392	1.09
Hawkesbury	8,220	2,039	100,703.94	6,091,493	1,778	286	1.65
● Hearst	2,193	738	52,961.89	2,249,266	665	282	2.35
Hespeler	4,108	1,304	60,744.16	4,728,238	1,145	344	1.28
Huntsville	3,177	1,182	55,420.33	5,229,799	958	455	1.06
Ingersoll	6,852	2,289	106,950.60	7,232,990	1,993	302	1.48
● Kapuskasing	5,805	1,643	101,168.39	8,482,555	1,475	479	1.19
Kincardine	2,644	1,148	42,307.45	3,716,455	971	319	1.14
● Kingsville	2,988	1,201	42,268.87	3,418,411	1,063	.....	.....
La Salle	2,830	821	62,300.21	3,692,667	769	400	1.69
● Leamington	8,316	2,981	105,907.05	7,853,235	2,750	.....	.....
● Listowel	3,438	1,406	68,225.23	5,282,606	1,263	.....	.....
● Markham	3,520	1,109	75,154.56	5,757,851	965	497	1.31
† Mattawa	3,175	753	42,319.68	2,317,411	649	298	1.83
McGarry	2,976	489	29,982.19	2,376,980	432	459	1.26
Meaford	3,565	1,470	57,790.35	5,168,377	1,244	346	1.12
Merritton	5,557	1,634	88,282.71	7,267,185	1,482	409	1.21
● Midland	8,255	2,649	127,979.43	11,313,060	2,461	.....	.....
Milton	4,497	1,522	105,032.71	7,701,349	1,331	482	1.36
Mitchell	2,159	869	46,144.42	3,538,838	708	417	1.30
Morrisburg	2,145	874	36,172.23	3,186,712	689	385	1.14
● Mount Forest	2,424	927	38,530.59	3,259,928	833	.....	.....
Napanee	4,362	1,621	77,183.82	7,305,355	1,328	458	1.06
New Hamburg	2,018	676	35,886.71	2,935,054	546	448	1.22
† New Liskeard	4,422	1,484	84,729.53	6,397,303	1,220	437	1.32
Newmarket	7,500	2,445	137,819.84	12,815,390	2,117	504	1.08
Niagara	2,723	1,055	66,226.11	6,055,878	915	552	1.09
Nipigon Twp.	2,502	675	32,106.29	2,847,728	560	424	1.13
● Orangeville	4,126	1,534	78,560.56	6,760,265	1,381	408	1.16
Paris	5,698	1,910	88,761.91	6,732,089	1,651	340	1.32

† Local system

● New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Population 2,000 to 9,999—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
26,342.11	1,461,077	175	696	1.80	20,216.49	1,055,626	31	705	2,838	1.92
28,715.89	1,408,790	152	772	2.04	52,753.05	3,940,592	25	1,624	13,135	1.34
20,270.55	1,093,900	48	.....	.....	12,652.25	1,069,645	23	391	.....	.....
46,518.75	2,394,217	203	983	1.94	100,691.17	10,097,392	36	2,712	23,373	1.00
41,545.18	1,796,139	150	998	2.31	4,430.93	331,587	15	114	1,842	1.34
51,342.42	2,145,884	303	590	2.39	97,786.37	5,521,898	57	2,575	8,073	1.77
31,728.46	2,507,336	192	1,088	1.27	34,966.91	3,167,507	29	1,278	9,102	1.10
41,357.12	2,639,694	227	969	1.57	24,346.84	2,062,467	30	804	5,729	1.18
21,768.86	1,236,688	146	706	1.76	41,637.15	3,282,822	24	1,392	11,399	1.27
26,299.07	1,147,002	130	735	2.29	10,990.96	737,275	23	326	2,671	1.49
23,858.98	1,457,315	175	694	1.64	47,566.02	4,102,022	37	1,803	9,239	1.16
74,999.18	3,200,962	236	1,130	2.34	11,294.94	702,853	25	359	2,343	1.61
30,660.53	1,143,320	63	1,512	2.68	5,338.01	299,340	10	99	2,495	1.78
19,954.94	1,035,982	127	680	1.93	158,762.75	16,827,119	32	5,108	43,821	0.94
45,952.21	2,729,042	195	1,166	1.68	29,291.08	3,061,657	29	1,010	8,798	0.96
54,164.81	2,961,542	248	995	1.83	109,878.78	9,528,985	48	3,335	16,543	1.15
57,790.05	3,366,073	138	2,033	1.72	7,574.18	439,696	30	355	1,221	1.72
22,531.16	1,138,247	155	612	1.98	36,263.08	2,747,322	22	1,010	10,407	1.32
26,130.91	1,542,195	110	.....	.....	24,824.38	1,464,285	28	1,044	.....	.....
13,416.63	498,453	48	865	2.69	1,755.88	47,704	4	45	994	3.68
69,931.43	4,063,595	167	.....	.....	95,433.12	9,550,182	64	2,526	.....	.....
38,944.26	2,010,242	110	.....	.....	42,630.64	2,823,379	33	1,290	.....	.....
24,290.75	1,293,825	122	884	1.88	12,121.54	572,181	22	451	2,167	2.12
38,202.78	1,429,737	96	1,241	2.67	17,226.70	998,300	8	417	10,399	1.73
14,564.27	778,909	54	1,202	1.87	2,274.01	143,700	3	50	3,992	1.58
27,601.45	1,850,899	194	795	1.49	28,147.98	1,858,146	32	873	4,839	1.51
26,050.42	1,279,815	124	860	2.04	556,472.80	74,950,578	28	14,635	223,067	0.74
56,405.42	3,787,316	130	.....	.....	111,631.75	10,259,783	58	4,879	.....	.....
36,176.89	1,720,323	162	885	2.10	90,336.14	6,947,706	29	2,311	19,965	1.30
19,278.71	926,627	135	572	2.08	27,201.70	1,632,155	26	708	5,231	1.67
20,613.01	1,273,366	164	647	1.62	9,261.86	753,237	21	301	2,989	1.23
23,002.89	1,408,615	67	.....	.....	15,477.84	968,117	27	499	.....	.....
52,501.76	3,050,992	263	967	1.72	32,313.65	2,888,804	30	1,183	8,024	1.12
15,427.83	758,556	112	564	2.03	19,299.60	1,171,787	18	529	5,425	1.65
49,808.09	2,770,746	230	1,004	1.80	57,594.34	3,502,166	34	1,235	8,584	1.64
76,041.79	4,829,168	286	1,407	1.57	49,066.52	3,691,134	42	1,655	7,324	1.33
23,686.55	1,365,722	126	903	1.73	6,664.47	377,723	14	237	2,248	1.76
23,867.36	1,797,173	106	1,413	1.33	6,353.47	490,070	9	229	4,538	1.30
28,141.38	1,858,880	115	1,347	1.51	13,586.66	1,025,906	38	612	2,250	1.32
27,220.78	1,791,494	219	682	1.52	53,676.55	4,553,451	40	2,060	9,486	1.18

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Parry Sound.....	5,475	1,845	81,381.06	7,439,232	1,544	402	1.09
Penetanguishene.....	4,716	1,347	54,592.20	4,648,164	1,166	332	1.17
Perth.....	5,177	1,884	75,528.34	7,221,469	1,565	385	1.05
Petrolia.....	3,558	1,269	42,617.43	2,552,535	1,053	202	1.67
• Picton.....	4,901	1,849	86,081.65	8,240,092	1,515	.....	.....
● Point Edward.....	2,568	779	29,856.54	2,210,010	730	.....	.....
Port Credit.....	6,201	2,506	138,989.54	11,694,136	2,200	443	1.19
● Port Dalhousie.....	3,298	1,043	78,372.77	6,257,630	982	.....	.....
Port Dover.....	2,767	1,412	41,058.77	2,886,260	1,195	201	1.42
● Port Hope.....	7,509	2,629	165,545.67	13,939,527	2,439	476	1.19
● Port Perry.....	2,186	771	40,737.06	2,978,670	648	.....	.....
● Prescott.....	5,083	1,633	88,464.22	8,020,255	1,518	.....	.....
Preston.....	9,903	2,979	174,130.63	13,006,935	2,602	417	1.34
† Red Lake Townsite.....	2,007	822	44,788.28	2,510,386	648	323	1.78
• Renfrew.....	8,433	2,596	139,172.32	10,517,465	2,222	394	1.32
Ridgetown.....	2,450	1,005	26,847.83	1,769,987	807	183	1.52
Rockland.....	2,803	693	34,048.88	2,022,089	630	267	1.68
● St. Mary's.....	4,130	1,542	89,404.63	7,534,090	1,405	447	1.19
Schreiber Twp.....	2,008	589	33,075.03	3,076,573	523	490	1.08
Seaforth.....	2,089	800	37,282.87	2,933,275	649	377	1.27
Simcoe.....	8,217	3,073	98,199.41	8,245,194	2,478	277	1.19
Sioux Lookout.....	2,311	928	60,409.95	3,976,924	778	426	1.52
Smith's Falls.....	8,664	3,172	143,795.87	14,829,817	2,716	455	0.97
† South Porcupine Townsite.....	5,618	1,761	73,566.34	4,838,211	1,489	271	1.52
● Stoney Creek.....	5,379	1,734	128,434.64	10,310,401	1,549	.....	.....
Stouffville.....	2,505	890	48,967.73	4,201,898	761	460	1.17
Strathroy.....	4,529	1,612	74,651.66	7,086,180	1,335	442	1.05
Streetsville.....	3,766	1,221	74,078.85	5,325,820	1,090	407	1.39
● Sturgeon Falls.....	5,826	1,503	74,199.44	4,707,035	1,403	.....	.....
Swansea.....	8,710	3,074	184,762.61	15,750,692	2,845	461	1.17
Tecumseh.....	4,212	1,290	56,012.01	3,287,750	1,164	235	1.70
Thorold.....	8,180	2,429	114,316.45	9,498,135	2,152	368	1.20
• Tilbury.....	3,030	1,066	31,901.88	1,941,810	873	185	1.64
Tillsonburg.....	6,239	2,356	96,129.88	6,652,635	1,918	289	1.44
● Uxbridge.....	2,136	828	37,294.37	3,234,145	751	.....	.....
Walkerton.....	3,663	1,247	53,928.77	4,342,925	1,030	351	1.24
Wallaceburg.....	7,907	2,818	87,530.85	5,348,872	2,329	191	1.64
West Ferris Twp.....	3,907	1,455	96,714.25	5,909,999	1,308	377	1.64
Weston.....	9,404	3,128	183,720.01	16,582,722	2,724	507	1.11
Whitby.....	8,600	2,910	154,551.91	14,423,689	2,557	470	1.07
Wingham.....	2,788	1,029	47,506.76	4,404,179	825	445	1.08
Woodbridge.....	2,096	724	46,909.51	3,879,343	607	533	1.21

† Local system

• New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

**Utilities and Local Systems
AND CONSUMPTION
December 31, 1957**

Population 2,000 to 9,999—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
49,993.43	2,677,810	280	797	1.87	14,817.56	1,105,177	21	520	4,386	1.34
25,408.58	1,641,888	160	855	1.55	34,398.60	3,157,517	21	1,170	12,530	1.09
37,588.89	2,622,690	272	804	1.43	36,392.71	3,219,927	47	1,561	5,709	1.13
27,776.07	1,262,820	176	598	2.20	43,381.62	2,200,638	40	806	4,585	1.97
49,482.52	3,519,664	288	.....	.....	19,538.10	1,863,519	46	820	.....	.....
10,343.98	565,790	30	.....	.....	123,593.63	9,180,615	19	3,669	.....	.....
64,501.80	3,975,724	263	1,260	1.62	136,194.85	17,129,924	43	3,321	33,198	0.80
11,411.39	633,129	44	.....	.....	10,523.13	596,919	17	346	.....	.....
24,475.83	1,518,095	187	677	1.61	32,987.80	3,324,873	30	1,044	9,236	0.99
48,502.43	2,955,475	141	1,747	1.64	167,258.81	16,456,100	49	4,157	27,986	1.02
15,114.02	729,862	112	.....	.....	5,908.31	376,468	11	184	.....	.....
23,612.93	1,500,076	80	.....	.....	36,824.41	2,977,658	35	1,366	.....	.....
56,364.12	3,090,890	287	897	1.82	213,459.82	16,007,238	90	6,837	14,822	1.33
41,736.94	1,934,992	166	971	2.16	8,085.84	307,845	8	186	3,207	2.63
53,241.36	3,574,857	303	983	1.49	83,994.54	7,135,508	71	2,980	8,375	1.18
24,407.50	1,298,232	167	648	1.88	22,473.00	1,251,983	31	706	3,366	1.79
11,722.19	504,448	59	713	2.32	1,824.84	166,190	4	67	3,462	1.10
19,755.31	1,172,441	90	1,086	1.68	45,832.93	3,640,753	47	1,411	6,455	1.26
11,776.47	790,877	63	1,046	1.49	5,169.41	474,560	3	118	13,182	1.09
24,588.52	1,221,870	129	789	2.01	23,088.32	1,489,841	22	721	5,643	1.55
97,446.99	6,682,369	504	1,104	1.46	100,750.56	8,843,267	91	3,307	8,098	1.14
29,879.07	1,112,295	132	702	2.69	12,595.56	1,045,764	18	280	4,841	1.20
70,934.83	5,276,078	400	1,099	1.34	64,252.87	6,136,417	56	2,418	9,132	1.05
30,677.70	1,722,583	232	619	1.78	8,545.73	610,997	40	323	1,273	1.40
38,684.86	2,135,237	168	.....	.....	21,251.34	1,141,994	17	661	.....	.....
24,392.02	1,379,020	117	982	1.77	10,256.80	456,469	12	304	3,170	2.25
39,429.58	2,605,326	227	956	1.51	44,509.73	3,128,245	50	1,743	5,214	1.42
20,350.67	1,101,697	109	842	1.85	31,988.63	2,943,030	22	913	11,148	1.09
43,754.44	2,106,247	86	.....	.....	6,079.71	346,785	14	223	.....	.....
52,860.27	3,089,163	189	1,362	1.71	61,191.56	6,352,533	40	1,909	13,234	0.96
19,258.70	906,858	110	687	2.12	7,655.71	296,660	16	250	1,545	2.58
44,022.07	2,644,180	238	926	1.66	317,381.11	45,144,297	39	8,664	96,462	0.70
28,645.77	1,596,580	172	774	1.79	31,479.53	1,440,455	21	1,203	5,716	2.19
91,340.82	4,937,259	390	1,055	1.85	60,938.57	4,534,918	48	1,782	7,873	1.34
13,692.02	763,590	56	.....	.....	19,112.81	903,685	21	696	.....	.....
35,433.83	1,904,168	197	806	1.86	28,671.28	2,271,619	20	898	9,465	1.26
75,886.58	4,150,547	403	858	1.83	275,184.05	27,443,215	86	7,549	26,592	1.00
41,953.75	1,991,649	138	1,203	2.11	21,356.79	1,989,962	9	512	18,426	1.07
109,664.68	7,279,347	340	1,784	1.51	138,284.38	12,873,057	64	4,464	16,762	1.07
59,327.21	3,619,954	303	996	1.64	179,478.51	20,371,753	50	5,031	33,953	0.88
23,707.60	1,353,631	169	667	1.75	34,698.90	2,191,042	35	1,120	5,217	1.58
18,609.17	914,774	101	755	2.03	45,995.36	4,875,991	16	1,310	25,396	0.94

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Ailsa Craig	513	223	8,162.62	545,620	175	260	1.50
Alfred	939	287	11,385.58	422,920	239	147	2.69
Alvinston	630	322	6,902.22	368,150	251	122	1.87
Apple Hill	400	114	3,761.54	219,232	97	188	1.72
● Arkona	422	183	9,085.58	595,574	169	.....	.....
● Arthur	1,166	468	17,979.90	1,402,097	416	.....	.....
● Athens	943	331	10,034.81	936,815	316	.....	.....
Ayr	980	357	15,534.06	1,326,063	298	371	1.17
● Baden	788	258	13,257.98	1,105,761	245	376	1.20
† Bala	*458	729	22,554.45	1,009,798	649	130	2.23
Barry's Bay	1,479	379	13,090.71	497,805	317	131	2.63
Bath	626	240	12,728.17	874,660	214	341	1.46
● Beachville	799	279	14,473.13	1,216,124	271	374	1.19
† Beardmore	1,099	303	15,253.86	829,371	233	297	1.84
Beaverton	1,061	511	21,357.56	1,647,850	420	327	1.30
Beeton	665	300	12,706.56	822,046	244	281	1.55
● Belle River	1,864	655	25,844.17	1,327,550	598	.....	.....
Bloomfield	723	302	10,157.40	934,510	245	318	1.09
Blyth	770	325	12,045.06	924,070	247	312	1.30
Bobcaygeon	1,144	667	22,790.44	1,336,330	546	204	1.71
● Bolton	1,259	471	31,162.14	2,170,211	432	.....	.....
Bothwell	797	312	7,276.18	531,370	235	188	1.37
Braeside	495	136	6,022.41	348,473	125	232	1.73
● Brechin	219	93	2,976.87	245,919	77	266	1.21
Bridgeport	1,571	403	25,034.76	1,954,473	359	454	1.28
Brigden	511	215	4,526.11	296,530	158	156	1.53
Brussels	788	369	14,931.14	1,218,000	282	360	1.23
Burford	1,035	395	20,013.06	1,672,425	327	426	1.20
Burgessville	238	98	4,713.34	352,400	76	386	1.34
Burk's Falls	907	322	13,061.69	813,280	256	265	1.61
Cache Bay	845	201	7,843.04	287,965	182	132	2.72
Campbellville	320	83	5,576.61	402,950	72	466	1.38
Cannington	981	425	17,599.32	1,421,310	343	345	1.24
● Casselman	1,229	353	17,943.19	927,117	332	.....	.....
● Cayuga	808	339	9,998.19	665,162	300	.....	.....
● Chalk River	917	259	17,837.53	955,102	247	322	1.87
● Chatsworth	391	166	6,817.20	534,820	145	307	1.27
Chesley	1,635	698	27,130.01	2,342,062	570	342	1.16
Chesterville	1,205	431	16,969.59	1,379,670	344	334	1.23
● Clifford	537	209	11,276.47	782,605	187	349	1.44

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

* Excluding summer population

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Less than 2,000 population

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
4,790.13	234,872	44	445	2.04	4,044.64	152,228	4	116	3,171	2.66
7,868.44	243,759	40	508	3.23	6,443.11	244,497	8	233	2,547	2.64
5,911.63	258,447	64	337	2.29	2,075.07	89,379	7	61	1,064	2.32
1,317.12	53,565	17	263	2.46						
2,683.06	113,818	12			1,446.58	35,873	2	41		
7,193.25	361,565	37			5,257.47	301,620	15	216		
2,471.74	197,170	13			970.40	47,600	2	48		
7,376.47	399,646	47	709	1.85	7,496.65	308,506	12	258	2,142	2.43
1,712.38	110,323	8	1,149	1.55	9,882.50	594,158	5	255	9,903	1.66
10,541.73	450,983	76	495	2.34	1,024.52	47,419	4	56	988	2.16
9,076.21	320,424	59	453	2.83	888.38	61,060	3	22	1,696	1.45
3,079.34	126,060	24	438	2.44	627.89	9,360	2	25	390	6.71
1,292.10	69,030	6	959	1.87	69,299.99	9,018,328	2	1,528	375,764	0.77
15,045.27	644,810	69	779	2.33	176.01	1,000	1	10	83	17.60
9,760.09	564,860	81	581	1.73	19,304.89	1,305,053	10	650	10,875	1.48
4,799.57	193,250	47	343	2.48	5,354.12	283,360	9	128	2,624	1.89
13,196.82	642,730	52			3,545.04	197,874	5	86		
5,661.13	315,650	49	537	1.79	3,108.90	66,315	8	142	691	4.69
6,728.94	340,123	71	399	1.98	12,059.89	779,730	7	256	9,283	1.55
11,924.53	522,777	115	379	2.28	3,797.04	171,579	6	113	2,383	2.21
6,477.30	317,180	22			5,453.90	233,722	17	195		
6,793.92	401,248	67	499	1.69	5,210.62	114,470	10	225	954	4.55
486.97	19,933	9	185	2.44	8,937.79	506,950	2	266	21,123	1.76
2,547.11	140,090	15	778	1.82	588.94	27,221	1	26	2,268	2.16
9,526.98	483,451	41	983	1.97	2,614.97	164,500	3	80	4,569	1.59
3,800.07	199,590	49	339	1.90	4,777.75	127,695	8	154	1,330	3.74
7,935.81	385,173	78	412	2.06	6,705.25	318,599	9	172	2,950	2.10
7,468.24	422,025	61	577	1.77	3,952.38	164,586	7	137	1,959	2.40
2,036.26	90,957	19	399	2.24	1,495.88	19,606	3	69	545	7.63
10,045.73	409,830	61	560	2.45	3,442.03	108,510	5	104	1,809	3.17
1,578.71	51,190	16	267	3.08	20,231.48	908,981	3	397	25,249	2.23
930.38	41,840	10	349	2.22	450.20	40,900	1	8	3,408	1.10
7,220.15	360,075	71	423	2.01	6,442.70	288,549	11	215	2,186	2.23
4,626.88	186,584	14			10,541.48	529,180	7	327		
7,413.83	432,504	31			4,506.39	145,510	8	170		
3,487.17	189,694	10	1,581	1.84	4,610.22	295,160	2	112	12,298	1.56
3,559.79	205,800	20	858	1.73	1,009.79	39,000	1	33	3,250	2.59
12,389.24	663,745	102	542	1.87	11,794.27	743,552	26	434	2,353	1.59
9,093.55	492,410	78	526	1.85	24,802.65	2,494,642	9	657	23,099	0.99
3,206.45	174,551	15	970	1.84	2,205.16	136,670	7	54	1,627	1.61

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
● Cobden	877	374	12,891.78	1,342,707	343	326	0.96
Colborne	1,223	521	23,149.12	1,971,186	423	388	1.17
Coldwater	704	255	10,803.06	875,890	206	354	1.23
Comber	585	237	6,245.33	362,434	170	178	1.72
Cookstown	664	254	10,086.37	741,550	214	289	1.36
Cottam	645	238	7,960.87	489,230	196	208	1.63
● Courtright	580	197	5,078.04	376,111	184		
Creemore	854	350	14,266.00	1,198,234	294	340	1.19
● Dashwood	391	174	9,329.75	565,370	164		
Delaware	407	131	8,343.05	581,299	112	433	1.44
● Deseronto	1,678	620	24,609.04	2,049,630	582		
● Dorchester	779	295	11,785.19	901,475	285		
Drayton	568	260	11,395.32	676,439	211	267	1.68
Drumbo	365	162	6,870.04	537,040	126	355	1.28
Dublin	250	114	4,657.96	353,437	83	355	1.32
• Dundalk	821	402	14,011.95	959,950	305	262	1.46
Dutton	801	342	8,613.73	538,920	263	171	1.60
Eganville	1,565	532	21,104.51	1,217,898	431	235	1.73
† Elk Lake Townsite	\$450	165	5,894.75	388,659	116	279	1.51
● Elmvale	908	374	16,012.03	1,333,630	331		
● Elmwood	\$406	129	3,685.64	265,893	117		
Elora	1,515	527	28,219.11	1,832,698	448	341	1.54
Embro	508	218	11,331.57	915,900	174	439	1.24
† Englehart	1,626	569	35,227.21	2,024,683	469	360	1.74
Erieau	465	313	11,432.61	785,170	281	233	1.46
Erie Beach	*97	135	4,345.41	122,480	129	79	3.55
● Erin	941	374	18,115.92	1,184,180	342		
● Finch	400	171	6,242.28	518,438	158		
Flesherton	477	234	7,203.58	622,840	178	292	1.16
Fonthill	1,968	674	40,200.99	3,222,433	597	450	1.25
Frankford	1,522	542	21,593.40	1,686,962	457	308	1.28
Glencoe	1,064	449	10,002.31	653,275	343	159	1.53
• † Gogama	\$500	108	5,405.06	131,946	91	121	4.10
Grand Bend	*937	785	31,334.12	1,421,830	687	172	2.20
Grand Valley	667	319	11,955.92	839,900	256	273	1.42
Granton	287	116	4,909.87	299,907	93	269	1.64
● Harriston	1,611	638	31,391.12	2,421,406	571	353	1.30
● Harrow	1,816	660	38,746.11	2,853,600	583		
Hastings	854	420	12,814.65	873,796	346	210	1.47
Havelock	1,288	438	18,200.86	1,046,263	361	242	1.74

† Local system

• New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

§ Estimated

* Excluding summer population

**Utilities and Local Systems
AND CONSUMPTION
December 31, 1957**

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
3,470.44	225,026	24	781	1.54	3,554.07	171,799	7	178	2,045	2.07
12,571.22	580,536	90	538	2.17	2,966.28	193,934	8	84	2,020	1.53
5,202.51	301,060	45	558	1.73	4,321.05	139,230	4	158	2,901	3.10
5,992.98	286,539	59	405	2.09	6,362.24	206,858	8	218	2,155	3.08
4,035.21	151,280	36	350	2.67	2,301.30	158,540	4	84	3,303	1.45
3,650.73	165,285	36	383	2.21	3,457.87	72,902	6	140	1,013	4.74
1,667.98	96,983	11	.....	.....	513.84	42,961	2	13	.....	.....
5,097.04	251,020	52	402	2.03	1,779.40	78,760	4	82	1,641	2.26
2,245.78	88,180	7	.....	.....	1,460.76	34,050	3	68	.....	.....
2,725.95	100,475	19	441	2.71	.....	.....	.....	.....	.....	.....
6,065.11	343,591	24	.....	.....	12,297.19	923,320	14	449	.....	.....
1,621.76	76,200	7	.....	.....	2,399.17	118,700	3	82	.....	.....
4,408.73	177,410	45	329	2.49	2,235.55	73,582	4	66	1,533	3.04
2,713.75	119,841	33	303	2.26	1,504.72	38,480	3	61	1,069	3.91
3,292.85	178,180	29	512	1.85	3,211.39	128,500	2	69	5,354	2.50
9,227.34	365,680	85	359	2.52	5,458.08	254,919	12	217	1,770	2.14
5,961.06	317,453	67	395	1.88	6,150.39	435,860	12	201	3,027	1.41
15,694.02	648,819	89	608	2.42	5,572.30	361,787	12	146	2,512	1.54
4,490.94	232,980	44	445	1.93	6,476.57	256,548	5	264	4,276	2.52
8,247.34	457,371	34	.....	.....	2,468.79	135,766	9	75	.....	.....
1,361.73	65,800	10	.....	.....	3,016.52	102,000	2	85	.....	.....
9,471.01	407,785	73	466	2.32	6,570.43	426,920	6	190	5,929	1.54
3,005.44	186,740	39	399	1.61	4,341.52	157,990	5	110	2,633	2.75
17,402.46	651,684	93	584	2.67	8,306.24	617,220	7	184	7,348	1.35
6,511.50	354,825	26	1,137	1.84	8,484.76	341,580	6	194	4,744	2.48
318.58	6,225	6	86	5.12	.....	.....	.....	.....	.....	.....
6,515.58	307,872	28	.....	.....	1,649.88	70,254	4	44	.....	.....
2,031.22	81,891	8	.....	.....	1,366.68	67,900	5	38	.....	.....
5,492.13	309,993	54	478	1.77	1,675.03	93,920	2	59	3,913	1.78
10,034.10	521,826	69	630	1.92	4,327.03	150,130	8	140	1,564	2.88
7,732.52	427,280	80	445	1.81	1,415.23	102,820	5	52	1,714	1.38
15,015.69	826,201	91	757	1.82	7,308.05	225,058	15	295	1,250	3.25
2,674.18	91,890	15	511	2.91	4,052.36	222,669	2	51	9,278	1.82
17,331.18	597,728	98	508	2.90	.....	.....	.....	.....	.....	.....
5,008.09	227,070	53	357	2.21	4,629.92	240,240	10	153	2,002	1.93
1,830.83	62,290	22	236	2.94	163.07	1,150	1	6	96	14.18
10,506.26	570,873	50	951	1.84	18,523.27	1,493,083	17	543	7,319	1.24
20,942.29	1,098,077	69	.....	.....	13,728.09	475,240	8	469	.....	.....
7,547.32	335,452	68	411	2.25	3,435.82	150,950	6	109	2,097	2.28
9,631.71	422,830	75	470	2.28	2,177.80	98,190	2	55	4,091	2.22

Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Hensall.....	833	344	14,957.41	1,253,370	262	399	1.19
†Hepworth.....	363	125	4,380.43	243,070	98	207	1.80
Highgate.....	367	156	3,734.94	248,110	120	172	1.51
Holstein.....	168	91	2,710.64	202,500	73	231	1.34
†Hornepayne.....	\$1,400	477	29,402.89	841,429	435	161	3.49
†Hudson Townsite.....	391	179	6,997.63	316,577	145	182	2.21
†Ignace.....	660	177	10,258.97	308,851	145	178	3.32
Iroquois.....	1,170	360	24,273.27	1,892,051	294	536	1.28
Jarvis.....	707	255	6,508.64	485,136	200	202	1.34
†Jellicoe Townsite.....	140	48	1,815.82	80,266	38	176	2.26
†Kearns Townsite.....	510	170	9,076.03	662,682	156	354	1.37
Kemptville.....	1,748	698	29,436.22	2,558,957	581	367	1.15
†King Kirkland Townsite.....	320	93	3,883.66	233,601	85	229	1.66
Kirkfield.....	211	97	3,641.80	188,450	75	209	1.93
Lakefield.....	1,970	680	28,513.62	2,776,145	567	408	1.03
Lambeth.....	1,579	521	35,088.58	2,576,878	481	446	1.36
Lanark.....	915	314	8,984.49	670,305	263	212	1.34
Lancaster.....	622	202	5,993.13	515,764	162	265	1.16
Larder Lake Twp.....	1,989	561	29,192.42	2,130,860	498	357	1.37
Latchford.....	502	156	5,299.55	169,717	125	113	3.12
●L'Original.....	1,050	316	14,983.04	637,057	296	.....	.....
Lucan.....	910	344	18,806.91	1,397,009	269	433	1.35
Lucknow.....	920	453	13,748.86	1,156,360	345	279	1.19
Lynden.....	533	160	9,307.76	745,975	141	441	1.25
Madoc.....	1,440	568	23,569.63	1,732,990	437	330	1.36
Magnetawan.....	253	100	3,788.11	128,940	76	141	2.94
Markdale.....	915	407	13,738.90	1,226,955	312	328	1.12
Marmora.....	1,374	489	21,212.51	1,581,750	412	320	1.34
Martintown.....	440	120	4,979.89	296,000	95	260	1.68
Massey.....	1,200	324	21,358.75	820,040	270	253	2.60
†Matachewan Twp.....	794	204	10,400.18	729,373	161	378	1.43
†Matheson.....	810	295	16,429.96	1,329,701	229	484	1.24
Maxville.....	843	300	10,539.32	837,630	243	287	1.26
Merlin.....	520	241	6,467.07	453,690	177	214	1.43
Merrickville.....	890	344	13,671.41	914,090	286	266	1.50
Mildmay.....	815	306	11,088.39	1,001,255	235	355	1.11
Millbrook.....	766	313	14,420.38	1,025,398	249	343	1.41
Milverton.....	1,082	445	21,204.74	1,436,484	340	352	1.48
Moorefield.....	309	131	3,771.99	335,350	93	300	1.12
●Mount Brydges.....	832	333	10,531.23	678,070	317	.....	.....

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

§ Estimated

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
8,652.52	456,180	61	623	1.90	14,274.43	645,660	21	497	2,562	2.21
3,424.29	121,055	27	374	2.83						
2,131.57	99,220	30	276	2.15	4,596.36	177,160	6	139	2,461	2.59
822.48	37,770	17	185	2.18	726.65	57,000	1	13	4,750	1.27
17,308.41	514,650	41	1,046	3.36	11,584.75	988,400	1	162	82,367	1.17
4,817.62	175,057	31	471	2.75	3,008.29	72,230	3	74	2,006	4.16
13,441.76	390,307	30	1,084	3.44	3,890.27	193,500	2	73	8,063	2.01
10,826.96	649,197	52	1,040	1.67	4,418.24	383,274	14	123	2,281	1.15
4,694.72	270,496	48	470	1.74	5,018.22	395,650	7	150	4,710	1.27
2,040.77	89,741	9	831	2.27	1,258.97	50,600	1	25	4,217	2.49
3,588.92	158,033	13	1,013	2.27	620.56	18,630	1	15	1,553	3.33
15,198.37	828,041	103	670	1.84	24,640.48	1,759,460	14	738	10,473	1.40
1,640.91	69,645	8	725	2.36						
1,886.46	43,521	22	165	4.33						
15,378.73	925,674	100	771	1.66	7,455.99	317,495	13	360	2,035	2.35
6,053.30	253,455	38	556	2.39	1,302.60	41,870	2	25	1,745	3.11
3,491.81	212,110	50	354	1.65	2,034.94	180,540	1	49	15,045	1.13
5,154.45	335,962	40	700	1.53						
8,873.22	472,133	60	656	1.88	1,591.86	153,470	3	30	4,263	1.04
5,316.99	168,006	29	483	3.16	1,643.57	41,830	2	45	1,743	3.93
5,622.47	230,518	17			1,568.28	49,764	3	63		
9,324.24	437,350	70	521	2.13	2,668.21	142,795	5	82	2,380	1.87
8,598.15	460,414	96	400	1.87	6,291.90	278,500	12	200	1,934	2.26
2,101.46	93,320	17	457	2.25	1,864.92	34,200	2	92	1,425	5.45
16,643.65	914,136	122	624	1.82	5,630.81	217,788	9	162	2,017	2.59
3,045.32	96,100	24	334	3.17						
10,843.99	633,885	87	607	1.71	3,113.87	167,550	8	115	1,745	1.86
14,473.43	745,560	74	840	1.94	2,033.26	115,920	3	59	3,220	1.75
2,993.96	115,655	24	402	2.59	771.07	13,500	1	33	1,125	5.71
9,235.58	295,300	49	502	3.13	1,559.05	67,092	5	28	1,118	2.32
5,133.60	212,975	42	423	2.41	40.46	1,017	1	10	85	3.98
11,559.84	623,415	58	896	1.85	2,939.46	204,405	8	73	2,129	1.44
6,886.51	319,970	54	494	2.15	4,353.21	92,000	3	122	2,556	4.73
6,985.68	387,083	60	538	1.80	2,570.80	77,857	4	79	1,622	3.30
4,815.96	228,599	52	366	2.11	3,923.13	412,540	6	146	5,730	0.95
5,848.85	322,838	63	427	1.81	2,354.77	178,547	8	71	1,860	1.32
8,162.45	262,606	63	347	3.11	540.66	36,620	1	10	3,052	1.48
13,599.23	549,182	89	514	2.48	12,691.77	616,664	16	453	3,212	2.06
2,984.94	187,931	36	435	1.59	1,408.13	77,070	2	49	3,211	1.83
2,758.51	124,820	13			3,217.47	106,512	3	126		

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
● Neustadt.....	479	200	5,562.62	454,930	181	.....	.....
Newboro.....	305	130	4,407.65	194,495	119	136	2.27
Newburgh.....	577	180	8,193.40	483,395	153	263	1.69
Newbury.....	318	127	4,221.19	244,900	105	194	1.72
Newcastle.....	1,015	434	16,792.37	1,487,621	357	347	1.13
Norwich.....	1,650	662	33,942.54	2,612,795	540	403	1.30
Norwood.....	1,000	394	16,517.15	1,307,950	314	347	1.26
Oil Springs.....	480	221	5,101.46	342,361	149	191	1.49
Omeme.....	850	292	12,011.07	933,720	248	314	1.29
Orono.....	751	338	15,773.06	1,083,790	292	309	1.46
Otterville.....	698	276	11,553.32	953,260	222	358	1.21
Paisley.....	757	328	11,905.36	878,791	251	292	1.35
Palmerston.....	1,545	609	26,904.73	2,557,816	495	431	1.05
● Parkhill.....	1,036	488	20,471.06	1,479,218	438	.....	.....
† Pickle Lake Landing Townsite.....	§120	67	3,587.51	178,116	44	337	2.01
Plattsville.....	472	190	9,308.12	679,190	159	356	1.37
Port Burwell.....	711	429	14,310.77	429,105	368	97	3.34
† Port Carling.....	*467	463	21,177.09	1,043,455	396	220	2.03
Port Elgin.....	1,689	1,000	41,839.78	2,770,807	825	280	1.51
Port McNicoll.....	932	431	13,612.45	985,475	400	205	1.38
Port Rowan.....	782	331	7,732.21	420,970	247	142	1.84
Port Stanley.....	1,385	1,150	40,679.07	3,040,263	1,024	247	1.34
† Powassan.....	943	312	15,623.69	1,191,487	250	397	1.31
Priceville.....	164	64	2,370.63	90,367	56	134	2.62
Princeton.....	387	165	7,010.33	581,924	129	376	1.20
Queenston.....	425	158	10,238.95	937,154	140	558	1.09
Red Rock.....	1,810	321	21,706.45	2,111,921	293	601	1.03
Richmond.....	813	264	13,932.62	997,620	238	349	1.40
● Ripley.....	458	216	9,281.82	657,350	193	.....	.....
Rockwood.....	836	284	15,972.65	1,111,030	242	383	1.44
Rodney.....	1,017	445	10,905.53	855,650	355	201	1.27
Rosseau.....	217	121	3,596.64	162,097	106	127	2.22
● Russell.....	425	197	8,109.50	641,810	181	.....	.....
St. Clair Beach.....	1,020	354	27,598.93	1,641,817	327	418	1.68
St. George.....	686	262	8,521.98	759,022	208	304	1.12
St. Jacobs.....	725	227	11,107.31	911,688	179	424	1.22
Shelburne.....	1,264	545	23,369.99	1,663,750	433	320	1.40
Smithville.....	821	379	11,515.79	798,833	282	236	1.44
Southampton.....	1,717	1,060	33,154.58	2,413,670	920	219	1.37
Springfield.....	519	175	6,864.90	530,470	144	307	1.29

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

§ Estimated

* Excluding summer population

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
2,374.32	129,875	16	.....	.....	4,532.83	243,680	3	163	.....	.....
1,633.34	54,586	11	414	2.99	.....	.....	.....	.....	.....	.....
3,481.83	134,050	24	465	2.60	3,166.04	139,650	3	96	3,879	2.27
1,334.27	64,230	21	255	2.08	.....	3,880	1	13	323	5.90
10,689.39	663,719	66	838	1.61	10,541.78	801,211	11	296	6,070	1.32
15,343.93	713,455	110	540	2.15	5,191.49	258,975	12	208	1,798	2.00
8,779.54	373,075	76	409	2.35	4,748.52	173,975	4	156	3,624	2.73
2,624.76	102,136	41	208	2.57	6,663.94	641,031	31	134	1,723	1.04
4,483.32	178,284	38	391	2.51	3,873.64	256,423	6	87	3,561	1.51
5,235.05	242,440	43	470	2.16	1,472.61	54,751	3	48	1,521	2.69
4,504.93	213,380	46	387	2.11	2,157.86	81,510	8	83	849	2.65
6,720.46	318,860	69	385	2.11	3,534.32	213,731	8	91	2,226	1.65
11,753.61	711,097	96	617	1.65	12,853.27	1,065,056	18	513	4,931	1.21
12,713.64	619,507	38	.....	.....	7,287.39	353,765	12	224	.....	.....
2,050.68	68,299	22	259	3.00	361.41	2,158	1	24	180	16.75
2,742.48	125,036	29	359	2.19	13,219.14	975,614	2	319	40,651	1.35
9,166.87	270,301	58	388	3.39	747.49	4,630	3	42	129	16.14
13,623.88	469,073	62	630	2.90	1,229.09	78,872	5	43	1,315	1.56
20,578.70	931,506	161	482	2.21	11,934.16	622,146	14	325	3,703	1.92
2,495.26	139,020	29	399	1.79	32,952.46	1,538,210	2	975	64,092	2.14
7,690.53	372,092	79	393	2.07	974.27	25,395	5	30	423	3.84
12,634.14	738,653	109	565	1.71	11,950.83	476,158	17	496	2,334	2.51
11,379.66	514,731	57	753	2.21	891.57	20,060	5	28	334	4.44
959.17	34,189	8	356	2.81	.....	.....	.....	.....	.....	.....
2,378.97	105,125	33	265	2.26	1,748.11	73,300	3	62	2,036	2.38
5,371.38	315,759	18	1,462	1.70	.....	.....	.....	.....	.....	.....
12,173.50	793,970	26	2,545	1.53	1,057.55	158,760	2	27	6,615	0.67
2,758.10	111,222	24	386	2.48	3,468.63	223,200	2	63	9,300	1.55
4,182.00	173,503	20	.....	.....	2,236.39	147,075	3	59	.....	.....
4,883.82	210,570	39	450	2.32	1,719.38	66,380	3	44	1,844	2.59
6,910.36	404,322	79	427	1.71	6,960.21	249,739	11	241	1,892	2.79
1,894.89	80,461	15	447	2.36	.....	.....	.....	.....	.....	.....
2,662.78	130,550	13	.....	.....	730.03	36,960	3	35	.....	.....
6,149.13	236,395	22	895	2.60	2,062.56	69,410	5	45	1,157	2.97
5,427.92	366,599	48	636	1.48	5,563.69	371,239	6	186	5,156	1.50
5,931.62	282,061	40	588	2.10	5,733.52	243,520	8	228	2,537	2.35
13,904.42	721,560	100	601	1.93	5,812.23	348,430	12	212	2,420	1.67
8,599.60	386,242	82	393	2.23	12,750.80	577,928	15	418	3,211	2.21
15,195.66	738,650	124	496	2.06	16,210.10	929,370	16	478	4,840	1.74
2,295.11	124,260	28	370	1.85	2,290.52	65,550	3	91	1,821	3.49

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Stayner	1,473	584	26,092.36	1,979,290	469	352	1.32
Stirling	1,303	505	24,487.15	1,923,054	402	399	1.27
Sunderland	557	248	9,672.24	726,990	200	303	1.33
Sundridge	716	287	11,822.74	641,188	223	240	1.84
Sutton	1,308	854	28,018.16	2,160,579	696	259	1.30
Tara	493	229	8,538.56	617,850	176	293	1.38
Tavistock	1,160	487	25,226.99	2,035,620	375	452	1.24
● Teeswater	883	345	12,455.40	1,003,360	310	.....	.....
● Terrace Bay	1,809	398	32,559.80	3,993,716	374	.....	.....
Thamesford	755	296	18,674.55	1,216,927	243	417	1.53
● Thamesville	1,040	435	13,800.68	764,810	390	.....	.....
Thedford	668	286	10,464.29	754,581	222	283	1.39
• Thessalon	1,712	479	24,446.34	1,253,627	391	267	1.95
Thornbury	1,065	500	19,176.39	1,168,860	396	246	1.64
● Thorndale	347	135	8,171.52	522,370	127	343	1.56
† Thornloe	173	39	1,960.14	118,187	27	365	1.66
Thornton	296	104	4,467.12	305,000	91	279	1.46
Tottenham	737	270	11,754.72	960,570	210	381	1.22
● Tweed	1,645	598	22,024.92	2,162,037	540	.....	.....
Vankleek Hill	1,654	518	21,503.87	1,099,223	445	206	1.96
Victoria Harbour	881	451	14,377.26	750,120	412	152	1.92
Wardsville	297	134	4,180.23	304,340	103	246	1.37
Warkworth	515	240	8,243.78	560,868	185	253	1.47
● Wasaga Beach	*507	974	24,858.30	910,623	796	95	2.73
Waterdown	1,787	575	36,295.36	2,966,452	486	509	1.22
● Waterford	1,968	789	29,936.89	2,277,630	757	.....	.....
Watford	1,159	499	21,749.77	1,672,310	398	350	1.30
Waubashene	§1,200	419	12,064.93	650,620	385	141	1.85
Webbwood	525	134	7,540.91	230,290	111	173	3.27
Wellesley	662	271	12,266.46	874,715	214	341	1.40
● Wellington	1,019	523	14,867.48	1,372,928	489	.....	.....
West Lorne	1,078	420	14,737.53	979,258	325	251	1.50
Westport	654	278	9,415.18	741,630	217	285	1.27
Wheatley	1,232	462	16,455.71	1,058,790	362	244	1.55
● Wiarton	1,953	746	26,699.02	2,474,070	667	.....	.....
Williamsburg	340	145	4,091.18	465,890	107	363	0.88
Winchester	1,314	525	21,024.40	1,665,669	422	329	1.26
Windsor	*126	116	4,793.26	208,004	100	173	2.30
Woodville	431	181	7,339.43	454,320	145	261	1.62
Wyoming	822	305	8,466.03	520,270	246	176	1.63
Zurich	632	283	11,957.89	793,880	223	297	1.51

† Local system

• New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

§ Estimated

* Excluding summer population

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Less than 2,000 population—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
12,955.60	636,270	99	536	2.04	5,350.84	279,511	16	194	1,456	1.91
10,930.82	554,965	87	532	1.97	5,355.45	320,481	16	234	1,669	1.67
4,912.29	206,790	45	383	2.38	3,810.18	134,841	3	122	3,746	2.83
8,779.61	308,370	61	421	2.85	1,530.18	49,230	3	43	1,368	3.11
19,193.78	1,046,288	146	597	1.83	4,834.16	275,951	12	154	1,916	1.75
4,045.89	183,520	47	325	2.20	1,356.74	77,695	6	39	1,079	1.75
10,307.25	494,110	104	396	2.09	10,914.38	559,375	8	331	5,827	1.96
6,013.13	313,987	27	.....	.....	9,428.34	603,373	8	249	.....	.....
16,954.79	1,216,670	22	.....	.....	8,090.99	714,000	2	194	.....	.....
6,749.84	277,335	47	492	2.43	5,002.58	232,831	6	125	3,234	2.15
12,026.15	562,772	28	.....	.....	18,930.99	663,180	17	465	.....	.....
6,164.85	265,384	59	375	2.32	3,238.40	317,711	5	72	5,295	1.02
18,264.46	764,626	81	787	2.39	3,090.92	287,196	7	69	3,419	1.08
9,868.63	405,720	88	384	2.43	9,364.15	630,250	16	366	3,283	1.49
1,124.34	40,855	5	681	2.75	2,304.34	75,134	3	64	2,087	3.07
1,306.38	49,918	12	347	2.62	.....	.....	.....	.....	.....	.....
783.93	27,332	12	190	2.87	279.89	10,375	1	7	865	2.70
4,459.09	219,123	53	345	2.03	2,430.69	159,670	7	67	1,901	1.52
10,639.94	672,026	44	.....	.....	8,543.52	614,167	14	291	.....	.....
10,503.26	352,730	66	445	2.98	2,878.75	63,146	7	116	752	4.56
3,202.73	143,295	38	314	2.24	371.06	41,200	1	6	3,433	0.90
3,293.52	161,440	31	434	2.04	.....	.....	.....	.....	.....	.....
4,401.54	167,415	55	254	2.63	.....	.....	.....	.....	.....	.....
22,214.26	903,679	176	428	2.46	883.15	33,100	2	23	1,379	2.67
9,903.69	505,960	72	586	1.96	4,052.93	258,594	17	153	1,268	1.57
6,954.61	370,046	22	.....	.....	8,355.66	383,370	10	317	.....	.....
12,844.11	643,867	90	596	1.99	16,819.91	1,039,617	11	536	7,876	1.62
3,108.48	147,030	31	395	2.11	2,651.54	79,040	3	61	2,196	3.35
4,244.81	129,963	21	516	3.27	882.09	42,940	2	22	1,789	2.05
5,070.21	253,260	50	422	2.00	2,495.64	113,935	7	79	1,356	2.19
5,509.87	325,528	14	.....	.....	7,349.43	321,489	20	287	.....	.....
12,723.67	583,458	82	593	2.18	26,952.27	1,495,355	13	644	9,586	1.80
7,488.45	395,830	61	541	1.89	.....	.....	.....	.....	.....	.....
16,743.09	786,470	85	771	2.13	12,483.42	606,350	15	386	3,369	2.06
16,892.80	1,050,906	62	.....	.....	10,542.73	724,436	17	280	.....	.....
3,518.70	239,852	37	540	1.47	256.76	14,360	1	6	1,197	1.79
13,398.80	839,841	94	745	1.60	15,557.26	1,364,152	9	408	12,631	1.14
3,657.09	131,889	16	687	2.77	.....	.....	.....	.....	.....	.....
2,999.54	102,131	34	250	2.94	1,404.43	41,900	2	41	1,746	3.35
5,732.78	306,296	52	491	1.87	9,423.95	297,510	7	261	3,542	3.18
6,749.88	271,306	57	397	2.49	1,203.39	44,100	3	32	1,225	2.73

APPENDIX I—OPERATIONS

THE tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to information relating to the delivery of power and energy in wholesale quantities given in Section III.

The tables of power demands and resources give for each system and in total the primary peak requirements for the month of December, and the dependable capacity of the Commission's resources at the time these peak requirements occur. A separate table on pages 206 and 207 gives the dependable capacity and the actual maximum output of each Commission-owned station and each source of purchased power. The dependable capacity of a station is the net output which it can be expected to supply at the time of the system primary peak requirements, assuming that all units are available and that the supply of water is normal. This capacity may be recalculated from time to time in accordance with changing conditions. The capacity of a source of purchased power is based on the terms of the purchase contract.

Beginning on page 212 there is a table dealing primarily with the power and energy supplied in wholesale quantities to the municipal electrical utilities and local systems. It also records the date when power was first delivered by the Commission to each as a separate municipal system. The peak loads shown are those for December, the month when municipal maximum requirements usually occur, and not the average of the monthly peak loads used in the Cost of Power Statement.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. The kilowatt figures may be converted to horsepower by assuming that one horsepower is equivalent to 0.746 kilowatts.

THE COMMISSION'S POWER RESOURCES—1957

		Depend- able capacity*	Maximum output*	Annual energy output
Southern Ontario System		kw	kw	kwh
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Niagara	‡Sir Adam Beck-Niagara No. 1	441,000	430,000	3,612,403,200
	Sir Adam Beck-Niagara No. 2	1,071,000	1,140,000	7,835,519,200
	Pumping-Generating Station	87,000	83,000	21,223,400
	†Ontario Power	135,000	137,000	1,116,099,000
Welland Canal	†Toronto Power	108,000	105,000	787,811,100
	DeCew Falls No. 1	36,000	38,900	195,811,100
Muskoka	DeCew Falls No. 2	120,000	124,500	888,643,200
	Ragged Rapids	7,500	7,800	45,686,950
	Big Eddy	7,100	7,050	40,741,635
South Muskoka	Bala No. 1 and 2	350	0	228,320
	South Falls	4,200	4,300	28,964,780
	Trethewey Falls	1,600	1,600	10,099,200
Beaver	Hanna Chute	1,200	1,300	9,742,200
	Eugenia	5,400	5,440	17,005,000
Severn	Big Chute	4,300	4,380	31,401,200
Saugeen	Walkerton	350	0	0
	Hanover	250	230	1,556,304
Magnetawan	Burks Falls	250	125	557,800
Trent	Heely Falls	11,150	12,150	81,360,220
	Ranney Falls	8,350	8,655	57,615,440
	Meyersburg	5,100	6,050	40,670,720
	Sidney	3,350	3,875	23,124,900
	Hagues Reach	3,250	3,700	25,122,230
	Seymour	2,950	3,175	21,525,120
	Frankford	2,550	3,125	17,904,000
	Sills Island	1,550	855	5,472,960
	Auburn	1,750	1,875	12,328,440
	Lakefield	1,650	1,675	9,952,300
Otonabee	Fenelon Falls	700	400	3,120,760
	Des Joachims	372,000	375,000	2,460,798,000
Ottawa	Otto Holden	210,000	223,500	1,238,945,200
	Chenau	117,000	116,000	797,362,400
	‡Chats Falls (Ontario half)	82,000	85,000	556,638,650
Madawaska	Stewartville	63,000	64,500	222,679,500
	Barrett Chute	42,000	42,000	206,331,400
Mississippi	Calabogie	4,400	4,260	28,025,220
	High Falls	2,450	2,825	13,198,080
Rideau	Galetta	800	745	4,512,720
	Merrickville	900	720	2,340,390
Total hydro-electric		2,967,400	.....	20,430,075,439
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>			
Windsor	J. Clark Keith (steam)	244,000	266,000	459,175,200
Hamilton	†Steel Company of Canada (steam) . . . . .	.....	0	12,880,800
Toronto	Richard L. Hearn (steam)	372,000	390,000	987,921,900
Total thermal-electric		616,000	.....	1,459,977,900
Total Southern Ontario System		3,583,400	.....	21,890,053,339

*Power capacity and output are quoted with reference to a 20-minute peak period in December, the first at the time of the system peak. Since the various maximum outputs do not coincide, their sum is not necessarily the peak load of the system.

Resources are 60-cycle except as indicated:

‡25-cycle

‡25- and 60-cycle

THE COMMISSION'S POWER RESOURCES—1957

		Depend- able capacity*	Maximum output*	Annual energy output
		kw	kw	kwh
Northern Ontario Properties				
NORTHEASTERN DIVISION				
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Abitibi	†Abitibi Canyon.....	181,000	181,000	1,082,041,000
Mississagi	George W. Rayner.....	47,000	47,600	300,516,210
Mattagami	†Wawatim.....	10,800	11,000	59,770,092
	†Lower Sturgeon.....	6,000	6,000	45,739,507
	†Sandy Falls.....	2,700	2,650	18,912,816
Montreal	Upper Notch.....	8,400	8,300	57,314,000
	Hound Chute.....	3,600	3,860	27,536,400
	Indian Chute.....	3,000	3,100	21,351,000
	Fountain Falls.....	2,000	2,000	16,122,120
Wanapitei	Stinson.....	5,700	5,700	29,711,400
	Coniston.....	4,100	5,520	29,207,280
	McVittie.....	2,200	2,400	16,300,680
Matabitchuan	Matabitchuan.....	8,800	9,600	63,202,930
Sturgeon	Crystal Falls.....	8,200	8,000	51,181,000
South	Nipissing.....	1,600	1,620	11,289,860
	Elliott Chute.....	1,400	1,400	6,783,800
	Bingham Chute.....	900	940	5,240,580
Kagawong	Kagawong.....	.....	710	4,495,370
Total hydro-electric.....		297,400	.....	1,846,716,045
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>			
Kagawong	Kagawong (diesel portion).....	300	0	4,090
Chapleau	Chapleau.....	500	384	834,600
Hornepayne	Hornepayne.....	1,000	528	2,497,000
Total thermal-electric.....		1,800	.....	3,335,690
Total Northeastern Division.....		299,200	.....	1,850,051,735
NORTHWESTERN DIVISION				
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Nipigon	Pine Portage.....	119,200	125,000	760,840,240
	Cameron Falls.....	57,600	57,800	447,300,800
	Alexander.....	49,600	53,000	403,889,400
Aguasabon	Aguasabon.....	44,000	45,400	272,711,210
Kaministiquia	Kakabeka Falls.....	25,000	24,100	159,676,900
English	Manitou Falls.....	54,200	55,500	296,564,360
	Ear Falls.....	16,400	17,200	118,139,600
Albany	Rat Rapids.....	.....	1,000	13,173,800
Total Northwestern Division.....		366,000	.....	2,472,296,310
Total generated—All systems.....		4,248,600	.....	26,212,401,384
Sources of Purchased Power				
SOUTHERN ONTARIO SYSTEM				
	Detroit Edison Company.....	.....	153,000	268,886,000
	Polymer Corporation.....	22,000	17,000	19,198,100
	†Canadian Niagara Power Company, Limited.....	15,000	18,000	68,683,200
	†Gatineau Power Company.....	190,000	263,000	1,607,367,820
	†Quebec Hydro-Electric Commission (Beauharnois).....	187,000	292,000	1,388,305,000
	†Maclaren-Quebec Power Company.....	93,000	112,000	637,115,000
	†Ottawa Valley Power Company.....	82,000	85,000	560,543,350
	Niagara Mohawk Power Corporation.....	.....	66,000	16,436,000
	Miscellaneous (relatively small suppliers).....	2,000	3,100	19,432,110
Total Southern Ontario System.....		591,000	.....	4,585,966,580
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
	†Abitibi Power & Paper Company, Limited.....	.....	16,200	11,445,040
	†Quebec Hydro-Electric Commission.....	.....	43,500	189,493,333
	Miscellaneous (relatively small suppliers).....	1,200	2,600	8,751,028
Total Northeastern Division.....		1,200	.....	209,689,401
NORTHWESTERN DIVISION				
	Ontario-Minnesota Pulp and Paper Company.....	3,300	14,500	25,542,730
	Manitoba Hydro-Electric Board.....	.....	40,000	67,156,664
Total Northwestern Division.....		3,300	.....	92,699,394
Total purchased—All systems.....		595,500	.....	4,888,355,375
Total generated and purchased—All systems.....		4,844,100	.....	31,100,756,759

POWER DEMANDS

Southern Ontario System

	1956	1957	Increase or decrease
Demands	kw	kw	kw
Primary load carried.....	3,767,480	3,917,464	149,984
Primary load cut.....			
Primary peak requirements.....	3,767,480	3,917,464	149,984
Resources			
Commission hydro-electric generation.....	2,625,400	2,967,400	342,000
Commission thermal-electric generation.....	616,000	616,000	
Power purchased.....	640,000	591,000	49,000
Dependable peak capacity.....	3,881,400	4,174,400	293,000

Figures in the above table apply to demands and resources

ANNUAL ENERGY

Energy Made Available

	1956	1957	Increase or decrease
	kwh	kwh	per cent
SOUTHERN ONTARIO SYSTEM			
Generated (net)			
hydro-electric.....	20,043,425,264	20,430,075,439	1.9
thermal-electric.....	933,168,700	1,459,977,900	56.5
Total generated.....	20,976,593,964	21,890,053,339	4.4
Purchased.....	4,239,963,320	4,585,966,580	8.2
Transferred *in or out (net)	521,437,000	759,884,000	45.7
Primary.....	20,812,985,684	22,076,428,819	6.1
Secondary.....	3,882,134,600	3,639,707,100	6.2
Total.....	24,695,120,284	25,716,135,919	4.1
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Generated (net)			
hydro-electric.....	1,878,429,667	1,846,716,045	1.7
thermal-electric.....	2,730,102	3,335,690	22.2
Total generated.....	1,881,159,769	1,850,051,735	1.7
Purchased.....	125,355,381	209,689,401	67.3
Transferred *in or out (net)	521,437,000	759,884,000	45.7
Primary.....	2,459,409,770	2,791,545,958	13.5
Secondary.....	68,542,380	28,079,178	59.0
Total.....	2,527,952,150	2,819,625,136	11.5
NORTHWESTERN DIVISION			
Generated (net)			
hydro-electric.....	2,284,541,100	2,472,296,310	8.2
Purchased.....	15,933,332	92,699,394	481.8
Primary.....	2,264,858,942	2,536,961,644	12.0
Secondary.....	35,615,490	28,034,060	21.3
Total.....	2,300,474,432	2,564,995,704	11.5
ALL SYSTEMS			
Generated (net)			
hydro-electric.....	24,206,396,031	24,749,087,794	2.2
thermal-electric.....	935,898,802	1,463,313,590	56.4
Total generated.....	25,142,294,833	26,212,401,384	4.3
Purchased.....	4,381,252,033	4,888,355,375	11.6
Primary.....	25,537,254,396	27,404,936,421	7.3
Secondary.....	3,986,292,470	3,695,820,338	7.3
Total.....	29,523,546,866	31,100,756,759	5.3

*Net interchange between Southern Ontario System and Northeastern Division of the Northern Ontario Properties.

AND RESOURCES

Northern Ontario Properties

NORTHEASTERN DIVISION			NORTHWESTERN DIVISION		
1956	1957	Increase or decrease	1956	1957	Increase or decrease
kw	kw	kw	kw	kw	kw
390,232	459,117	68,885	356,737	406,880	50,143
390,232	459,117	68,885	356,737	406,880	50,143
297,400	297,400	.....	368,100	366,000	2,100
1,300	1,800	500	.....	.....	.....
1,200	1,200	.....	2,700	3,300	600
299,900	300,400	500	370,800	369,300	1,500

at the time of December primary peak requirements.

ACCOUNT

Energy Disposed of in Wholesale Quantities

	1956	1957	Increase or decrease
	kwh	kwh	per cent
SOUTHERN ONTARIO SYSTEM			
Primary—Municipal electrical utilities.....	12,258,469,086	13,070,004,020	6.6
—Local systems.....	15,848,312	4,228,836	73.3
—Rural power district.....	1,813,740,666	1,975,428,718	8.9
—Direct industrial customers.....	4,926,839,072	5,139,088,688	4.3
Total primary.....	19,014,897,136	20,188,750,262	6.2
Secondary—Direct industrial customers.....	3,679,389,600	3,487,443,100	5.2
Total primary and secondary.....	22,694,286,736	23,676,193,362	4.3
Losses and unaccounted for.....	2,000,833,548	2,039,942,557	2.0
Total.....	24,695,120,284	25,716,135,919	4.1
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary—Municipal electrical utilities.....	239,788,106	264,936,472	10.5
—Local systems.....	128,079,695	141,081,442	10.2
—Rural power district.....	144,582,865	175,050,243	21.1
—Direct industrial customers.....	1,644,471,522	1,891,463,690	15.0
Total primary.....	2,156,922,188	2,472,531,847	14.6
Secondary—Direct industrial customers.....	61,377,628	22,545,304	63.3
Total primary and secondary.....	2,218,299,816	2,495,077,151	12.5
Losses and unaccounted for.....	309,652,334	324,547,985	4.8
Total.....	2,527,952,150	2,819,625,136	11.5
NORTHWESTERN DIVISION			
Primary—Municipal electrical utilities.....	403,185,220	416,023,634	3.2
—Local systems.....	13,338,671	14,094,324	5.7
—Rural power district.....	42,035,801	52,547,382	25.0
—Direct industrial customers.....	1,602,833,442	1,836,027,167	14.5
Total primary.....	2,061,393,134	2,318,692,507	12.5
Secondary—Direct industrial customers.....	32,113,304	24,195,490	24.7
Total primary and secondary.....	2,093,506,438	2,342,887,997	11.9
Losses and unaccounted for.....	206,967,994	222,107,707	7.3
Total.....	2,300,474,432	2,564,995,704	11.5
ALL SYSTEMS			
Primary—Municipal electrical utilities.....	12,901,442,412	13,750,964,126	6.6
—Local systems.....	157,266,678	159,404,602	1.4
—Rural power district.....	2,000,359,332	2,203,026,343	10.1
—Direct industrial customers.....	8,174,144,036	8,866,579,545	8.5
Total primary.....	23,233,212,458	24,979,974,616	7.5
Secondary—Direct industrial customers.....	3,772,880,532	3,534,183,894	6.3
Total primary and secondary.....	27,006,092,990	28,514,158,510	5.6
Losses and unaccounted for.....	2,517,453,876	2,586,598,249	2.7
Total.....	29,523,546,866	31,100,756,759	5.3

STATEMENT OF

	For resale	
	By utilities listed in Statement A	By other utilities*
	kwh	kwh
By the Commission.....	13,750,964,126	3,909,376,472
By municipal utility generating facilities.....	189,834,757	.....
By other purchases by municipal utilities	201,782,479	.....
Total energy available.....	14,142,581,362	3,909,376,472

ANALYSIS OF

	To ultimate customers served by utilities listed in Statement A	By other utilities
	kwh	kwh
Classes of service:		
Domestic.....	5,609,857,412	.....
Hamlet.....	.....	.....
Summer.....	.....	.....
Total domestic-type.....	5,609,857,412	.....
Commercial.....	2,233,526,198	.....
Power—Primary.....	5,347,526,776	423,305,272
—Secondary.....	.....	3,486,071,200
Farm.....	.....	.....
Street lighting.....	206,218,793	.....
Total distributed.....	13,397,129,179	3,909,376,472‡
Distribution losses and unaccounted for.....	745,452,183	.....
	14,142,581,362	3,909,376,472‡

* Includes utilities in Ontario, in other provinces, and in the United States.
† Total delivered in wholesale quantities (see page 209).
‡ Includes distribution losses. Distribution by classes of customer not available.

ENERGY MADE AVAILABLE

For distribution by the Commission			Total
To customers in local systems	To customers in rural oper- ating areas	To direct industrial customers	
kwh 159,404,602	kwh 2,203,026,343	kwh 8,491,386,967	kwh 28,514,158,510† 189,834,757 201,782,479
159,404,602	2,203,026,343	8,491,386,967	28,905,775,746

DISTRIBUTION OF ENERGY

To ultimate customers served by the Commission			Total
In local systems	In rural operating areas	As direct industrial customers	
kwh 90,879,511	kwh 803,953,114 50,797,923	kwh	kwh 5,700,736,923 803,953,114 50,797,923
90,879,511	854,751,037	.....	6,555,487,960
42,656,274	233,114,413	.....	2,509,296,885
18,718,477	225,748,793	8,443,274,273 48,112,694	14,458,573,591 3,534,183,894
.....	689,975,689	.....	689,975,689
2,429,618	8,057,820	.....	216,706,231
154,683,880	2,011,647,752	8,491,386,967	27,964,224,250
4,720,722	191,378,591	.....	941,551,496
159,404,602	2,203,026,343	8,491,386,967	28,905,775,746

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM		cycles	kw	'000 kwh	per cent
Acton.....	Jan. 1913	60	3,034.2	14,255	2.6
Ailsa Craig.....	Jan. 1916	60	277.7	1,007	2.6
Ajax.....	Jan. 1952	60	4,782.7	22,569	7.1
Alexandria.....	Jan. 1921	60	1,277.6	5,747	11.4
Alfred.....	June 1952	60	292.4	981	18.9
Alliston.....	June 1918	60	1,493.2	7,083	8.4
Almonte.....	Feb. 1945	60	1,636.5	4,615	53.8
Alvinston.....	Apr. 1922	60	259.8	811	8.8
Amherstburg.....	Feb. 1919	60	2,995.8	14,815	9.0
Ancaster Twp.....	Jan. 1914	60	2,048.3	8,071	10.6
Apple Hill.....	Apr. 1921	60	69.9	308	0.1
Arkona.....	Dec. 1926	60	235.8	924	6.5
Arnprior.....	June 1929	60	3,672.8	16,163	3.5
Arthur.....	Dec. 1916	60	638.2	2,503	11.4
Athens.....	Jan. 1929	60	359.8	1,391	9.2
Aurora.....	Dec. 1920	60	2,869.7	15,119	9.5
Aylmer.....	Mar. 1918	60	3,003.0	14,098	7.7
Ayr.....	Jan. 1915	60	630.4	2,161	7.4
Baden.....	May. 1912	60	639.3	2,017	37.0
†Bala.....	Apr. 1929	60	272.3	1,646	2.9
Bancroft.....	Mar. 1950	60	929.0	2,518	71.3
Barrie.....	Apr. 1913	60	13,275.0	64,395	8.7
Barry's Bay.....	Jan. 1950	60	279.8	1,049	16.3
Bath.....	Nov. 1931	60	283.9	1,090	11.8
Beachville.....	Aug. 1912	25 & 60	2,038.6	10,846	33.4
Beamsville.....	Jan. 1930	60	1,399.9	6,235	1.8
Beaverton.....	Nov. 1914	60	947.2	3,813	17.2
Beeton.....	Aug. 1918	60	392.4	1,482	7.9
Belle River.....	Dec. 1922	60	621.3	2,472	5.3
Belleville.....	Mar. 1916	60	16,023.1	77,932	5.6
Blenheim.....	Nov. 1915	60	1,486.0	5,328	8.8
Bloomfield.....	Apr. 1919	60	432.6	1,456	7.3
Blyth.....	July 1924	60	531.0	2,156	4.8
Bobcaygeon.....	July 1946	60	595.0	2,426	9.1
Bolton.....	Feb. 1915	60	766.7	3,097	17.7
Bothwell.....	Sep. 1915	60	384.4	1,250	5.9
Bowmanville.....	Mar. 1916	60	5,643.2	24,432	2.5
Bracebridge.....	June 1955	60	318.7	381	152.0
Bradford.....	Oct. 1918	60	1,368.0	6,081	10.2
Braeside.....	June 1929	60	310.9	1,002	7.7
Brampton.....	Nov. 1911	60	9,573.0	39,356	8.5
Brantford.....	Feb. 1914	60	41,005.6	187,636	3.9
Brantford Twp.....	Oct. 1915	60	3,796.8	18,342	75.3*
Brechin.....	Jan. 1915	60	120.6	453	12.1
Bridgeport.....	Mar. 1928	60	695.3	2,755	6.6

† Local system

* A large number of customers formerly served by rural facilities were transferred to the municipality May 1, 1956.

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Brigden.....	Jan. 1918	60	208.8	749	6.5
Brighton.....	Mar. 1916	60	1,154.9	5,278	6.5
Brockville.....	Apr. 1915	60	13,788.6	62,298	5.6
Bronte.....	Jan. 1930	60	861.2	3,660	12.0
Brussels.....	July 1924	60	533.2	2,061	2.2
Burford.....	June 1915	60	695.4	2,549	7.3
Burgessville.....	Nov. 1916	60	167.0	506	3.0
Burk's Falls.....	Jan. 1950	60	402.7	1,528	11.3
Burlington.....	Jan. 1930	60	7,003.6	28,443	5.8
Caledonia.....	Oct. 1912	60	987.0	3,955	0.7
Campbellville.....	Jan. 1925	60	120.0	526	5.3
Cannington.....	Nov. 1914	60	554.8	2,292	10.6
Cardinal.....	July 1930	60	833.7	3,777	10.1
Carleton Place.....	May 1919	60	2,856.0	13,756	5.0
Casselman.....	Dec. 1952	60	510.2	1,874	23.2
Cayuga.....	Nov. 1924	60	341.6	1,368	5.4
Chalk River.....	Jan. 1957	60	390.0	1,637	....
Chatham.....	Feb. 1915	60	15,310.2	70,919	3.2
Chatsworth.....	Dec. 1915	60	272.0	930	6.3
Chesley.....	July 1916	60	1,096.0	4,171	4.3
Chesterville.....	Apr. 1914	60	1,029.2	4,555	11.5
Chippawa.....	Sep. 1919	60	942.6	4,133	12.2
Clifford.....	May 1924	60	309.3	1,236	7.2
Clinton.....	Mar. 1914	60	1,945.0	8,498	3.6
Cobden.....	Dec. 1934	60	522.8	1,949	7.5
Cobourg.....	Mar. 1916	60	7,154.9	34,434	6.0
Colborne.....	Mar. 1916	60	763.0	3,178	10.1
Coldwater.....	Mar. 1913	60	389.4	1,493	8.6
Collingwood.....	Mar. 1913	60	5,529.4	23,084	15.3
Comber.....	May 1915	60	267.0	955	1.7
Cookstown.....	May 1918	60	328.3	1,168	12.6
Cottam.....	Feb. 1919	60	228.3	805	8.1
Courtright.....	Dec. 1923	60	158.6	594	9.5
Creemore.....	Nov. 1914	60	460.2	1,716	8.2
Dashwood.....	Sep. 1917	60	210.0	770	8.0
Delaware.....	Mar. 1915	60	231.2	761	5.2
Delhi.....	May 1938	60	2,201.2	8,993	28.2
Deseronto.....	Mar. 1916	60	768.8	3,692	9.1
Dorchester.....	Dec. 1914	60	378.6	1,258	5.2
Drayton.....	Mar. 1918	60	323.0	1,117	6.6
Dresden.....	Apr. 1915	60	1,017.4	4,586	7.2
Drumbo.....	Dec. 1914	60	238.5	706	1.6
Dublin.....	Oct. 1917	60	220.0	742	6.4
Dundalk.....	Dec. 1915	60	459.8	1,781	7.2
Dundas.....	Jan. 1911	60	6,959.6	28,619	9.6

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Dunnville.....	June 1918	60	3,220.4	14,181	4.1
Durham.....	Dec. 1915	60	1,385.6	5,338	4.2
Dutton.....	Sep. 1915	60	411.4	1,362	5.5
East York Twp.....	Dec. 1923	60	35,692.0	166,391	1.9
Eganville.....	Apr. 1952	60	402.0	1,606	35.3
Elmira.....	Nov. 1913	60	2,975.7	13,322	6.1
Elmvale.....	June 1913	60	544.2	2,118	3.2
Elmwood.....	Apr. 1918	60	181.6	509	8.7
Elora.....	Nov. 1914	60	688.8	2,913	2.9
Embro.....	Jan. 1915	25	360.1	1,337	5.6
Erieau.....	July 1924	60	283.2	1,526	7.7
Erie Beach.....	July 1925	60	49.1	155	15.9
Erin.....	Jan. 1945	60	517.4	1,810	13.6
Essex.....	Feb. 1919	60	1,462.5	6,311	3.7
Etobicoke Twp.....	Aug. 1917	60	89,386.1	437,454	16.0
Exeter.....	June 1916	60	1,803.2	7,706	7.2
Fergus.....	Nov. 1914	60	2,930.0	11,822	3.0
Finch.....	Feb. 1928	60	212.4	805	11.5
Flesherton.....	Dec. 1915	60	329.4	1,119	10.7
Fonthill.....	June 1926	60	1,136.2	4,435	8.4
Forest.....	Mar. 1917	60	1,164.2	5,902	5.8
Forest Hill.....	Jan. 1938	60	13,508.0	63,054	5.2
Frankford.....	Oct. 1937	60	627.8	2,281	11.1
Galt.....	May 1911	60	21,184.9	92,596	5.7
Georgetown.....	Sep. 1913	60	5,886.7	27,075	16.5
Glencoe.....	Aug. 1920	60	526.4	1,906	6.8
Goderich.....	Feb. 1914	60	3,854.7	18,032	5.2
Grand Bend.....	July 1954	60	434.3	2,224	2.9
Grand Valley.....	Dec. 1916	60	431.4	1,401	3.4
Granton.....	July 1916	60	105.5	382	7.4
Gravenhurst.....	Nov. 1915	60	2,444.0	11,405	2.6
Grimsby.....	Jan. 1930	60	2,525.5	11,391	9.5
Guelph.....	Dec. 1910	60	27,470.5	125,230	8.1
Hagersville.....	Sep. 1913	25	1,861.5	6,785	3.5
Hamilton.....	Feb. 1911	25 & 60	270,287.1	1,536,246	1.8
Hanover.....	Sep. 1916	60	3,262.4	12,753	5.1
Harriston.....	July 1916	60	1,182.5	5,020	9.2
Harrow.....	Feb. 1919	60	1,231.5	4,811	7.5
Hastings.....	June 1931	60	387.2	1,622	17.2
Havelock.....	Feb. 1921	60	455.9	1,745	12.5
Hawkesbury.....	June 1952	60	2,517.8	11,523	11.2
Hensall.....	Jan. 1917	60	704.7	2,838	9.9
†Hepworth.....	Apr. 1930	60	109.6	404	5.9
Hespeler.....	Feb. 1911	60	5,121.4	23,676	6.1
Highgate.....	Dec. 1916	60	208.9	574	8.4

† Local system

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Holstein.....	May 1916	60	104.9	347	2.3
Huntsville.....	Sep. 1916	60	2,299.1	12,176	2.5
Ingersoll.....	May 1911	60	4,440.5	21,540	0.8
Iroquois.....	Feb. 1940	60	791.2	3,362	10.3
Jarvis.....	Feb. 1924	25	346.8	1,309	2.5
Kemptville.....	Dec. 1921	60	1,321.1	5,509	8.4
Kincardine.....	Mar. 1921	60	1,735.1	8,536	7.8
Kingston.....	Dec. 1917	60	36,189.4	176,202	3.8
Kingsville.....	Feb. 1919	60	1,564.5	6,910	0.8
Kirkfield.....	June 1920	60	81.0	266	12.8
Kitchener.....	Jan. 1911	60	55,560.0	271,639	3.4
Lakefield.....	Aug. 1920	60	1,131.8	4,558	38.5
Lambeth.....	Apr. 1915	60	886.4	2,980	2.9
Lanark.....	Sep. 1921	60	303.1	1,168	11.7
Lancaster.....	May 1921	60	245.9	922	10.1
La Salle.....	Nov. 1925	60	1,155.9	4,745	9.8
Leamington.....	Feb. 1919	60	4,964.8	23,177	8.4
Lindsay.....	Mar. 1916	60	6,991.9	35,748	8.5
Listowel.....	June 1916	60	2,624.5	11,383	6.7
London.....	Jan. 1911	60	61,921.1	332,342	2.6
London Twp.....	Sep. 1917	60	1,699.3	5,926	0.5
Long Branch.....	Jan. 1931	60	6,740.9	29,522	7.2
L'Orignal.....	June 1952	60	272.1	1,082	16.8
Lucan.....	Feb. 1915	60	569.7	2,117	4.0
Lucknow.....	Jan. 1921	60	550.0	2,234	9.6
Lynden.....	Nov. 1915	60	255.9	963	5.7
Madoc.....	Mar. 1916	60	773.7	3,261	4.3
Magnetawan.....	July 1951	60	76.0	284	13.4
Markdale.....	Mar. 1916	60	627.3	2,304	9.1
Markham.....	Apr. 1920	60	2,194.0	8,196	21.4
Marmora.....	Jan. 1921	60	715.8	2,737	11.0
Martintown.....	May 1921	60	140.8	479	10.7
Maxville.....	Feb. 1921	60	394.3	1,407	9.2
Meaford.....	Jan. 1924	60	2,235.2	10,257	2.9
Merlin.....	Dec. 1922	60	301.2	1,024	12.2
Merrickville.....	July 1950	60	393.2	1,726	1.1
Merritton.....	Nov. 1920	60	15,095.0	85,995	2.4
Midland.....	July 1911	60	6,658.4	27,598	4.3
Mildmay.....	Apr. 1930	60	440.5	1,648	5.2
Millbrook.....	Mar. 1916	60	399.4	1,496	2.6
Milton.....	Apr. 1913	60	4,216.5	17,776	11.1
Milverton.....	June 1916	60	801.6	2,896	2.3
Mimico.....	May 1912	60	7,892.9	36,132	9.1
Mitchell.....	Sep. 1911	60	1,495.9	6,731	3.2
Moorefield.....	Mar. 1918	60	167.0	665	3.9

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Morrisburg.....	June 1938	60	1,310.0	5,704	3.4
Mount Brydges.....	Mar. 1915	60	315.6	1,158	7.8
Mount Forest.....	Dec. 1915	60	1,557.0	6,283	6.6
Napanee.....	Mar. 1916	60	3,078.1	14,304	11.9
Neustadt.....	Dec. 1918	60	247.5	913	11.3
Newboro.....	Dec. 1948	60	76.0	291	16.2
Newburgh.....	Mar. 1916	60	219.8	846	15.3
Newbury.....	Mar. 1921	60	99.6	360	1.0
Newcastle.....	Mar. 1916	60	754.2	3,334	13.6
New Hamburg.....	Mar. 1911	60	1,168.0	5,028	7.5
Newmarket.....	Dec. 1920	60	5,510.8	23,327	14.1
New Toronto.....	Feb. 1914	60	18,902.2	91,498	2.9
Niagara.....	Aug. 1919	60	1,742.5	8,509	5.2
Niagara Falls.....	Dec. 1915	60	17,039.8	84,067	3.2
North York Twp.....	Nov. 1923	60	131,869.7	589,139	13.2
Norwich.....	May 1912	60	939.9	3,950	4.4
Norwood.....	Feb. 1921	60	454.3	2,074	5.2
Oakville.....	Jan. 1930	60	9,159.7	40,748	7.7
Oil Springs.....	Feb. 1918	60	225.3	1,153	0.7
Omeme.....	Jan. 1918	60	413.2	1,563	4.5
Orangeville.....	July 1916	60	2,830.2	10,958	9.2
Orillia.....	Jan. 1954	60	4,622.4	12,679	20.6
Orono.....	Mar. 1916	60	409.8	1,532	7.9
Oshawa.....	Mar. 1916	60	53,987.8	265,538	13.4
Ottawa.....	Jan. 1914	60	145,799.0	596,705	13.1
Otterville.....	Feb. 1916	60	332.6	1,358	2.0
Owen Sound.....	Dec. 1915	60	10,848.9	50,613	4.6
Paisley.....	Sep. 1923	60	455.6	1,710	13.5
Palmerston.....	July 1916	60	1,060.0	4,828	1.9
Paris.....	Feb. 1914	60	3,457.6	14,964	7.2
Parkhill.....	May 1920	60	679.9	2,660	4.0
Parry Sound.....	Aug. 1946	60	1,483.5	6,369	5.4
Penetanguishene.....	July 1911	60	2,163.0	10,243	1.0
Perth.....	Feb. 1919	60	3,319.0	14,045	3.2
Peterborough.....	Mar. 1913	60	35,428.3	177,420	3.8
Petrolia.....	May 1916	60	1,503.8	7,464	4.2
Pictou.....	Apr. 1919	60	3,509.2	15,186	5.4
Plattsville.....	Dec. 1914	60	561.6	1,870	6.9
Point Edward.....	Nov. 1916	60	3,293.5	12,314	18.7
Port Burwell.....	Aug. 1955	60	202.6	816	13.0
†Port Carling.....	Apr. 1929	60	309.3	1,652	9.5
Port Colborne.....	Mar. 1920	60	5,998.9	27,706	1.6
Port Credit.....	Aug. 1912	60	9,407.5	37,624	41.9
Port Dalhousie.....	Nov. 1912	60	1,498.0	8,074	5.3
Port Dover.....	Dec. 1921	60	1,781.0	8,222	8.3

† Local system

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Port Elgin.....	Apr. 1930	60	1,065.0	4,774	8.7
Port Hope.....	Mar. 1916	60	6,986.2	35,044	12.2
Port McNicoll.....	Jan. 1915	60	1,104.0	2,797	7.7
Port Perry.....	Sep. 1922	60	1,140.0	4,493	18.1
Port Rowan.....	Nov. 1926	60	254.4	946	6.3
Port Stanley.....	Apr. 1912	60	990.1	4,870	2.3
Prescott.....	Dec. 1913	60	3,222.7	13,469	3.7
Preston.....	Jan. 1911	60	8,026.5	35,303	9.9
Priceville.....	Mar. 1921	60	42.9	151	2.2
Princeton.....	Jan. 1915	60	226.7	861	5.0
Queenston.....	Mar. 1921	60	279.8	1,424	0.9
Renfrew.....	Dec. 1944	60	3,418.9	11,667	15.2
Richmond.....	Aug. 1928	60	371.7	1,479	13.5
Richmond Hill.....	June 1925	60	6,955.4	25,895	35.4
Ridgetown.....	Dec. 1915	60	1,241.2	4,766	5.7
Ripley.....	Jan. 1921	60	276.6	1,066	17.8
Riverside.....	Nov. 1922	60	5,828.3	22,365	6.8
Rockland.....	Apr. 1954	60	771.0	2,964	8.0
Rockwood.....	Sep. 1913	60	404.6	1,521	5.8
Rodney.....	Feb. 1917	60	464.5	1,670	14.3
Rosseau.....	July 1931	60	63.1	293	1.4
Russell.....	Feb. 1926	60	253.6	930	13.3
St. Catharines.....	Apr. 1914	60	41,545.9	197,607	4.6
St. Clair Beach.....	Nov. 1922	60	579.4	2,193	27.5
St. George.....	Sep. 1915	60	371.0	1,697	2.0
St. Jacobs.....	Sep. 1917	60	426.0	1,635	13.0
St. Mary's.....	May 1911	60	2,754.5	13,557	4.8
St. Thomas.....	Apr. 1911	60	13,513.8	66,976	4.6
Sandwich East Twp. ...	Oct. 1956	60	5,828.8	25,137	....
Sandwich West Twp. ...	Mar. 1956	60	8,806.2	34,035	....
Sarnia.....	Dec. 1916	60	37,995.4	219,713	6.4
Scarborough Twp.	Aug. 1918	60	105,025.8	470,167	12.5
Seaforth.....	Nov. 1911	60	1,476.1	6,265	11.8
Shelburne.....	July 1916	60	843.3	3,169	5.3
Simcoe.....	Apr. 1915	60	6,492.0	26,735	8.9
Smith's Falls.....	Sep. 1918	60	6,450.5	28,035	5.0
Smithville.....	Jan. 1930	60	445.8	1,859	3.7
Southampton.....	Apr. 1930	60	904.0	4,542	6.5
Springfield.....	Aug. 1917	60	258.3	810	11.3
Stamford Twp.	Nov. 1916	60	15,161.8	68,274	6.6
Stayner.....	Oct. 1913	60	1,008.5	3,569	8.4
Stirling.....	Mar. 1916	60	759.4	3,103	3.5
Stoney Creek.....	Jan. 1930	60	3,383.6	13,798	18.1
Stouffville.....	Sep. 1923	60	1,703.0	6,228	13.6
Stratford.....	Jan. 1911	60	14,163.7	70,258	4.8

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Strathroy.....	Dec. 1914	60	2,999.4	14,557	8.0
Streetsville.....	Dec. 1934	60	2,519.5	10,257	18.5
Sunderland.....	Nov. 1914	60	375.0	1,254	9.9
Sundridge.....	June 1952	60	279.5	1,071	13.4
Sutton.....	Aug. 1923	60	806.0	3,890	5.7
Swansea.....	Oct. 1937	60	5,559.4	28,105	6.8
Tara.....	Feb. 1918	60	265.6	990	5.1
Tavistock.....	Nov. 1916	60	771.2	3,345	8.1
Tecumseh.....	Nov. 1922	60	1,239.0	5,098	7.5
Teeswater.....	Dec. 1920	60	469.0	2,160	17.5
Thamesford.....	Feb. 1914	60	522.5	1,929	11.6
Thamesville.....	Oct. 1915	60	582.0	2,217	7.0
Thedford.....	May 1922	60	326.2	1,459	7.0
Thornbury.....	Sep. 1944	60	542.9	2,471	49.8
Thorndale.....	Mar. 1914	60	225.0	764	5.5
Thornton.....	Nov. 1918	60	125.7	386	15.1
Thorold.....	Jan. 1921	60	9,911.8	59,006	2.3
Tilbury.....	Apr. 1915	60	1,164.6	5,455	0.3
Tillsonburg.....	Aug. 1911	60	4,287.6	18,037	8.6
Toronto.....	June 1911	25 & 60	546,412.0	3,052,679	3.3
Toronto Twp.....	Aug. 1913	60	43,930.0	247,107	39.1
Tottenham.....	Oct. 1918	60	357.4	1,455	5.2
Trafalgar Twp.....	Dec. 1923	60	9,628.3	35,457	41.1
Trenton.....	Mar. 1916	60	14,840.0	77,439	33.0
Tweed.....	Mar. 1916	60	922.0	3,800	2.9
Uxbridge.....	Sep. 1922	60	1,318.6	5,642	13.8
Vankleek Hill.....	June 1952	60	482.2	1,793	14.8
Victoria Harbour.....	July 1914	60	250.0	1,094	8.0
Walkerton.....	Apr. 1930	60	2,269.0	9,352	8.0
Wallaceburg.....	Feb. 1915	60	6,912.8	38,911	2.6
Wardsville.....	June 1921	60	149.7	509	0.4
Warkworth.....	Oct. 1923	60	247.5	798	4.8
Wasaga Beach.....	Jan. 1953	60	210.3	2,059	3.5
Waterdown.....	Nov. 1911	60	1,028.7	4,147	8.9
Waterford.....	Apr. 1915	60	929.4	3,364	4.1
Waterloo.....	Dec. 1910	60	13,163.0	64,871	7.1
Watford.....	Sep. 1917	60	853.7	3,608	7.7
Waubushene.....	Dec. 1914	60	247.4	1,061	8.4
Welland.....	Sep. 1917	60	13,811.1	64,143	1.3
Wellesley.....	Nov. 1916	60	364.4	1,344	8.7
Wellington.....	Apr. 1919	60	492.5	2,242	8.1
West Lorne.....	Jan. 1917	60	920.3	3,414	3.0
Weston.....	Aug. 1911	60	8,658.5	39,836	0.7
Westport.....	Nov. 1931	60	318.2	1,254	5.7
Wheatley.....	Feb. 1924	60	725.0	2,834	9.0

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Concluded		cycles	kw	'000 kwh	per cent
Whitby.....	Mar. 1916	60	8,578.1	39,970	5.0
Warton.....	Apr. 1930	60	1,115.3	4,862	2.6
Williamsburg.....	Apr. 1915	60	211.7	816	6.8
Winchester.....	Jan. 1914	60	995.6	4,279	9.2
Windermere.....	June 1930	60	41.5	422	2.5
Windsor.....	Oct. 1914	60	77,569.9	377,176	1.2
Wingham.....	Dec. 1920	60	1,816.1	8,452	3.0
Woodbridge.....	Dec. 1914	60	1,978.8	10,087	1.2
Woodstock.....	Jan. 1911	60	16,425.6	79,656	3.6
Woodville.....	Nov. 1914	60	219.6	702	8.8
Wyoming.....	Nov. 1916	60	338.1	1,257	6.0
York Twp.....	Jan. 1913	60	59,810.2	297,987	6.5
Zurich.....	Sep. 1917	60	327.5	1,258	8.2
NORTHERN ONTARIO PROPERTIES					
Atikokan Twp.....	Dec. 1944	60	3,568.5	14,531	11.8
†Beardmore.....	June 1937	60	396.5	1,584	7.2
†Blind River.....	Nov. 1954	60	1,755.0	7,580	31.3
Cache Bay.....	Dec. 1950	60	140.7	1,331	15.3
Capreol.....	May 1935	60	1,526.8	6,650	12.1
Chapleau Twp.....	Aug. 1955	60	382.8	667	62.3
†Cobalt.....	Jan. 1945	60	907.9	4,287	4.9
Cochrane.....	Dec. 1952	60	2,282.6	11,399	7.2
Coniston.....	Sep. 1956	60	888.7	3,384	....
Dryden.....	Feb. 1954	60	2,465.4	11,666	7.6
†Elk Lake Townsite....	Jan. 1945	25	320.9	1,010	12.9
†Englehart.....	Jan. 1945	60	832.7	3,426	3.5
Fort William.....	Oct. 1926	60	34,904.5	185,381	2.8
†Geraldton.....	Feb. 1937	60	1,291.0	5,401	6.8
†Gogama.....	Aug. 1956	25	157.7	456	....
†Haileybury.....	Jan. 1945	60	1,388.2	6,008	5.2
Hearst.....	Apr. 1952	60	1,033.2	4,105	22.2
†Hornepayne.....	Feb. 1955	60	517.4	2,642	14.5
†Hudson Townsite....	Oct. 1939	60	148.5	648	6.9
†Ignace.....	Dec. 1954	60	170.1	1,075	40.8
†Jellicoe Townsite....	Dec. 1951	60	57.7	195	19.5
Kapuskasing.....	Aug. 1953	60	3,425.6	13,953	12.6
†Kearns Townsite....	Dec. 1938	25	233.5	963	10.7
†King Kirkland Townsite....	Dec. 1936	25	89.2	331	8.4
†Kirkland Lake.....	Jan. 1945	25 & 60	6,825.3	29,153	9.6

† Local system

**POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES
TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS**

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
NORTHERN ONTARIO PROPERTIES—Concluded		cycles	kw	'000 kwh	per cent
Larder Lake Twp.....	Mar. 1949	60	809.2	3,272	8.2
Latchford.....	Apr. 1950	60	109.8	432	19.5
Massey.....	Dec. 1952	60	272.6	1,167	22.2
†Matachewan Twp.....	Apr. 1935	25	237.5	1,129	4.0
†Matheson.....	Dec. 1935	25	524.2	2,323	12.0
†Mattawa.....	Jan. 1953	60	1,088.8	5,369	0.7
McGarry.....	Mar. 1949	60	996.0	3,632	7.6
†New Liskeard.....	Jan. 1945	60	3,209.4	13,946	9.3
Nipigon Twp.....	Jan. 1925	60	1,434.0	5,985	22.4
North Bay.....	Mar. 1916	60	14,556.3	64,120	10.7
†Pickle Lake					
Landing Townsite....	Aug. 1952	60	87.4	339	59.8
Port Arthur.....	Dec. 1910	60	39,381.5	176,082	1.5
†Powassan.....	Mar. 1916	60	509.6	1,954	12.1
†Red Lake Townsite....	June 1938	60	1,222.8	4,852	0.8
Red Rock.....	Feb. 1948	60	926.2	3,516	15.0
Schreiber Twp.....	Nov. 1948	60	1,144.8	4,670	8.8
Sioux Lookout.....	Sep. 1939	60	1,531.9	7,611	8.1
†South Porcupine					
Townsite.....	Jan. 1945	25	2,026.0	8,309	6.6
Sturgeon Falls.....	Apr. 1951	60	2,000.9	8,083	9.4
Sudbury.....	Feb. 1930	60	27,775.1	129,010	5.8
Terrace Bay.....	Jan. 1948	60	1,278.3	6,581	6.0
Thessalon.....	May 1956	60	600.0	2,667	....
†Thornloe.....	Jan. 1945	60	37.0	153	17.3
†Timmins.....	Jan. 1945	25	12,933.2	52,044	10.5
Webbwood.....	Dec. 1952	60	127.0	451	20.5
West Ferris Twp.....	Apr. 1954	60	2,443.5	10,613	33.8

† Local system

APPENDIX II—FINANCIAL

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SOUTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	In		
	Changes		
	Balance at January 1, 1957	Placed in service	Equipment relocated and reclassified
	\$	\$	\$
Power System			
HYDRO-ELECTRIC GENERATING STATIONS			
Niagara River			
Sir Adam Beck-Niagara No. 1.....	83,876,925	8,480	.....
Sir Adam Beck-Niagara No. 2.....	251,233,223	30,722,558	35,552
Ontario Power.....	21,804,219	.....	.....
Toronto Power.....	11,452,028	929	.....
Welland Canal			
DeCew Falls.....	27,566,211	18,457	199
St. Lawrence River			
St. Lawrence Power Project (see note).....	.....	135,511	135,511
Ottawa River			
Des Joachims.....	73,214,982	262,782	255,835
Otto Holden.....	57,627,860	91,121	287
Chenault.....	29,247,792	36,600	20,857
Chats Falls.....	9,141,697	45,368	.....
Ogoki Diversion.....	5,044,689	.....	.....
Madawaska River			
Stewartville.....	12,198,968	196,843	22,716
Barrett Chute.....	4,897,493	.....	.....
Other properties.....	21,214,202	704,121	33,429
	608,520,289	32,222,770	417,240
THERMAL-ELECTRIC GENERATING STATIONS			
J. Clark Keith—Windsor.....	46,314,726	93,727	133,283
Richard L. Hearn—Toronto.....	47,864,530	89,258	178,328
Other properties.....	316,300	91,200	.....
	94,495,556	274,185	311,611
Total generating stations.....	703,015,845	32,496,955	728,851
TRANSFORMER STATIONS			
230-kv.....	74,368,535	1,966,412	182,523
Other—Niagara Division.....	89,304,291	11,270,103	386,979
—Georgian Bay Division.....	7,365,178	513,830	67,372
—Eastern Ontario Division.....	20,078,467	1,631,269	66,575
Total transformer stations.....	191,116,471	15,381,614	205,253
TRANSMISSION LINES			
230-kv.....	79,002,045	4,909,438	.....
Other—Niagara Division.....	57,668,564	3,003,458	39,076
—Georgian Bay Division.....	7,888,184	152,143	14,580
—Eastern Ontario Division.....	24,352,522	618,408	14,497
Total transmission lines.....	168,911,315	8,683,447	39,159

NOTE: The cost of the St. Lawrence Power Project under construction at December 31, 1957, \$210,665,224, includes generation, transformation, transmission, and rural distribution facilities.

SYSTEM

ASSETS

Year 1957 and Balances at December 31, 1957

service		Under construction at December 31, 1957	Total fixed assets at December 31, 1957	Expenditures during 1957
during year	Balance at December 31, 1957			
Sales and retirements				
\$	\$	\$	\$	\$
21,266	83,864,139	182,913	84,047,052	131,603
9,709	281,910,520	22,741,022	304,651,542	18,651,314
.....	21,804,219	1,671	21,805,890	1,671
.....	11,452,957	40,144	11,493,101	27,049
25,746	27,558,723	150,531	27,709,254	135,804
.....	.....	210,665,224	210,665,224	86,303,799
21,840	73,200,089	15,058	73,215,147	97,313
.....	57,718,694	53,157	57,771,851	104,921
10,648	29,294,601	16,636	29,311,237	17,245
18,160	9,168,905	2,427	9,171,332	34,063
.....	5,044,689	.....	5,044,689	.....
.....	12,418,527	5,124	12,423,651	103,597
.....	4,897,493	17,508	4,915,001	17,508
690,078	21,194,816	61,323	21,256,139	29,589
797,447	639,528,372	233,952,738	873,481,110	105,655,476
4,800	46,270,370	56,123	46,326,493	121,836
6,434	47,769,026	14,432,593	62,201,619	12,771,454
74,879	332,621	414,835	747,456	71,147
86,113	94,372,017	14,903,551	109,275,568	12,964,437
883,560	733,900,389	248,856,289	982,756,678	118,619,913
244,692	75,907,732	1,266,152	77,173,884	2,498,940
3,507,941	97,453,432	3,062,232	100,515,664	8,552,645
274,291	7,672,089	31,129	7,703,218	250,598
356,500	21,286,661	451,159	21,737,820	1,614,205
4,383,424	202,319,914	4,810,672	207,130,586	12,916,388
62,569	83,848,914	2,550,633	86,399,547	4,677,113
696,355	60,014,743	1,377,848	61,392,591	2,668,256
56,863	7,998,044	366,586	8,364,630	410,453
111,079	24,845,354	480,291	25,325,645	664,318
926,866	176,707,055	4,775,358	181,482,413	8,420,140

SOUTHERN ONTARIO
FIXED
Statement Showing Changes During

Property	In		
	Changes		
	Balance at January 1, 1957	Placed in service	Equipment relocated and reclassified
	\$	\$	\$
Power System—(continued)			
LOCAL SYSTEMS			
Niagara Division.....	146,421	.....	17,566
Georgian Bay Division.....	220,811	23,661	6,019
Total local systems.....	367,232	23,661	11,547
COMMUNICATIONS.....	12,008,625	325,784	320,603
Total power system.....	1,075,419,488	56,911,461	175,383
Administrative and Service Buildings and Equipment			
BUILDINGS.....	19,737,405	1,164,591	14,500
OFFICE AND SERVICE EQUIPMENT.....	5,115,664	678,297	.....
Total administrative and service buildings and equipment.....	24,853,069	1,842,888	14,500
Rural Power District.....	178,239,597	14,168,250	160,883
Total fixed assets.....	1,278,512,154	72,922,599	.....

Changes in Assets under Construction During 1957

Under construction at January 1, 1957.....	\$	177,435,628
Expenditures during 1957.....		156,681,202
	\$	334,116,830
Less—Placed in service during 1957.....		72,922,599
Under construction at December 31, 1957.....	\$	261,194,231

SYSTEM

ASSETS

Year 1957 and Balances at December 31, 1957

service		Under construction at December 31, 1957	Total fixed assets at December 31, 1957	Expenditures during 1957
during year	Balance at December 31, 1957			
Sales and retirements				
\$	\$	\$	\$	\$
128,855				
2,376	248,115	38,308	286,423	52,321
131,231	248,115	38,308	286,423	52,321
538,104	12,116,908	164,494	12,281,402	200,379
6,863,185	1,125,292,381	258,645,121	1,383,937,502	140,209,141
60,727	20,855,769	921,249	21,777,018	1,241,857
197,104	5,596,857	.....	5,596,857	678,297
257,831	26,452,626	921,249	27,373,875	1,920,154
2,535,316	190,033,414	1,627,861	191,661,275	14,551,907
9,656,332	1,341,778,421	261,194,231	1,602,972,652	156,681,202

Summary of Sales and Retirements During 1957

Charged to operations.....	\$ 238,440
Charged to frequency standardization.....	452,912
Charged to reserve for stabilization of rates and contingencies.....	424,166
Charged to accumulated depreciation.....	6,691,037
Proceeds from sales.....	1,849,777
	<u>\$ 9,656,332</u>

SOUTHERN ONTARIO

ACCUMULATED DEPRECIATION

December 31, 1957

	Power System	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balances at January 1, 1957 ..	121,374,859	30,903,353	4,341,539	156,619,751
Add:				
Interest at 3% per annum on accumulated deprecia- tion required on plant not fully depreciated	3,107,466	842,774	45,760	3,996,000
Provision in the year				
—direct (see note)	9,915,359	6,312,053	.....	16,227,412
—indirect	4,420	.....	722,996	727,416
Salvage recoveries less re- moval costs of assets re- tired	58,109	349,435	.....	291,326
Adjustments re transfer of equipment	26,800	26,626	174	.....
Other adjustments	7,086	.....	.....	7,086
	134,324,281	38,434,241	5,110,469	177,868,991
Deduct:				
Cost of fixed assets retired less proceeds from sales ..	4,265,787	2,416,521	8,729	6,691,037
Balances at December 31, 1957	130,058,494	36,017,720	5,101,740	171,177,954

NOTE—The provision in the year includes an additional 1% provision amounting to \$1,835,252 for the Rural Power District and \$2,402 for the Power System (local distribution systems) on fixed assets in service. A further \$850,000 as a special appropriation for the Rural Power District is also included.

SYSTEM

FREQUENCY STANDARDIZATION ACCOUNT

December 31, 1957

Balance at debit at January 1, 1957.....		\$141,743,325
Expenditures for frequency standardization work completed during		
year.....	\$ 49,779,406	
Less industrial customers' contributions.....	1,911,945	
	\$ 47,867,461	
Less portion of cost charged to cost of power for the year.....	9,412,801	
		38,454,660
Balance at debit at December 31, 1957.....		\$180,197,985

SOUTHERN ONTARIO
STATEMENTS OF RESERVES,
Stabilization of Rates

	Power System		
	General	Stream-flow variation	Maximum power cost
	\$	\$	\$
Balances at January 1, 1957.....	92,384,504	.....	461,032
Add:			
Interest for year on reserve balances (Note 1).....	3,002,496	.....	18,441
Provision in the year.....	3,445,509	5,168,263	.....
Excess of revenue over costs of supplying power to Rural Power District customers.....	7,531,737	7,531,737	.....
Transfer.....	7,531,737	7,531,737	.....
Profit on redemption of funded debt and sale of investments, net.....	127,760	.....	.....
	91,428,532	12,700,000	479,473
Deduct:			
Expenditures during year.....	.....	.....	.....
Withdrawal in year applied in reduction of cost of power.....	.....	.....	18,441
Miscellaneous charges (Note 2).....	424,166	.....	.....
Balances at December 31, 1957.....	91,004,366	12,700,000	461,032

NOTE 1—Interest for the year on the general reserve balances was credited at 3.25%, which approximated the actual earnings on the investments held for these reserves. Interest on the other reserve balances was at 4%.

NOTE 2—Miscellaneous charges include the write-off of the undepreciated capital on the demolition of the Niagara River weir, \$409,188.

Exchange Discount and Premium on Funded Debt

	Discount	Premium
	\$	\$
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1957.....	4,107,986	4,807,160
Add prior year adjustment.....	6,139	.....
	4,114,125	4,807,160
Less discount and premium on bonds redeemed during 1957 ..	46,555	3,302
Balances at December 31, 1957.....	4,067,570	4,803,858

SYSTEM

DECEMBER 31, 1957

and Contingencies

Rural Power District		Sub-total	Nuclear research	Total
General	Rates suspense			
\$ 1,517,724	\$ 109,673	\$ 94,472,933	\$	\$ 94,472,933
49,326	4,387	3,074,650	.....	3,074,650
.....	.....	8,613,772	4,000,000	12,613,772
.....	12,057	12,057	.....	12,057
.....
.....	.....	127,760	.....	127,760
1,567,050	126,117	106,301,172	4,000,000	110,301,172
.....	.....	.....	1,308,658	1,308,658
.....	.....	18,441	.....	18,441
.....	.....	424,166	.....	424,166
1,567,050	126,117	105,858,565	2,691,342	108,549,907

Sinking Fund

	Power System and Rural Power District	Administrative and service buildings and equipment	Total
Balances at January 1, 1957.....	\$ 210,923,682	\$ 2,712,184	\$ 213,635,866
Add:			
Interest at 4% per annum on reserve balances	8,436,948	108,489	8,545,437
Provision in the year—direct.....	12,559,742	.....	12,559,742
—indirect.....	.....	215,725	215,725
	231,920,372	3,036,398	234,956,770
Deduct credits resulting from matured sinking funds (see note):			
Interest.....	243,669	41,202	284,871
Principal.....	64,147	10,847	74,994
	307,816	52,049	359,865
Balances at December 31, 1957.....	231,612,556	2,984,349	234,596,905

NOTE: The matured sinking funds at January 1, 1957 amounted to \$5,672,571.

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Acton.....	3,159.1	14,254.7	120,984.09	15,795.50	7,897.75
Ailsa Craig.....	243.1	1,007.2	9,747.01	1,215.50	607.75
Ajax.....	4,163.5	22,569.0	146,012.99	.....	10,408.75
Alexandria.....	1,275.5	5,747.1	48,593.31	.....	3,188.75
Alfred.....	263.8	980.8	10,177.24	.....	659.50
Alliston.....	1,323.5	7,083.1	56,753.48	.....	3,308.75
Almonte.....	1,150.9	4,615.0	38,933.43	.....	2,877.25
Alvinston.....	212.1	810.6	8,447.88	1,060.50	530.25
Amherstburg.....	2,661.6	14,815.2	107,569.91	13,308.00	6,654.00
Ancaster Twp.....	1,688.3	8,070.5	57,757.41	8,441.50	4,220.75
Apple Hill.....	73.5	308.2	2,690.98	.....	183.75
Arkona.....	224.7	924.4	8,661.65	1,123.50	561.75
Arnprior.....	3,455.8	16,163.2	121,109.15	.....	8,639.50
Arthur.....	556.4	2,503.2	22,669.83	.....	1,391.00
Athens.....	297.7	1,391.2	10,811.97	.....	744.25
Aurora.....	2,683.1	15,119.1	96,811.01	13,415.50	6,707.75
Aylmer.....	2,865.8	14,098.1	97,281.58	14,329.00	7,164.50
Ayr.....	529.5	2,161.2	19,874.75	2,647.50	1,323.75
Baden.....	548.2	2,017.2	18,121.52	2,741.00	1,370.50
Bancroft.....	606.4	2,518.4	28,109.96	.....	1,516.00
Barrie.....	11,746.3	64,395.2	396,194.38	.....	29,365.75
Barry's Bay.....	233.6	1,049.2	10,333.37	.....	584.00
Bath.....	251.7	1,090.2	9,230.51	.....	629.25
Beachville.....	1,709.2	10,846.5	67,279.13	8,546.00	4,273.00
Beamsville.....	1,200.2	6,234.6	43,081.23	6,001.00	3,000.50
Beaverton.....	842.8	3,813.1	37,325.83	.....	2,107.00
Beeton.....	318.9	1,482.4	14,540.00	.....	797.25
Belle River.....	527.1	2,471.9	20,808.70	2,635.50	1,317.75
Belleville.....	14,360.7	77,932.2	459,802.95	.....	35,901.75
Blenheim.....	1,145.0	5,328.0	42,340.31	5,725.00	2,862.50
Bloomfield.....	364.4	1,456.3	12,684.77	.....	911.00
Blyth.....	469.1	2,155.6	18,521.33	2,345.50	1,172.75
Bobcaygeon.....	537.2	2,426.0	20,307.41	.....	1,343.00
Bolton.....	636.7	3,096.5	25,387.59	3,183.50	1,591.75
Bothwell.....	307.4	1,249.6	12,712.62	1,537.00	768.50
Bowmanville.....	4,966.8	24,431.9	162,236.02	.....	12,417.00
Bracebridge.....	199.6	380.9	6,530.22	.....	499.00
Bradford.....	1,189.7	6,081.0	46,845.18	.....	2,974.25
Braeside.....	334.5	1,002.0	10,557.61	.....	836.25
Brampton.....	8,484.2	39,356.2	261,899.80	42,421.00	21,210.50

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
8,306.34	136,371.00	140,579.96	4,208.96	44.50	43.17
639.19	10,931.07	11,242.21	311.14	46.25	44.97
10,947.24	145,474.50	159,253.25	13,778.75	38.25	34.94
3,353.72	48,428.34	51,977.31	3,548.97	40.75	37.97
693.62	10,143.12	10,090.06	53.06	38.25	38.45
3,479.93	56,582.30	59,227.37	2,645.07	44.75	42.75
3,026.10	38,784.58	42,581.76	3,797.18	37.00	33.70
557.68	9,480.95	9,862.67	381.72	46.50	44.70
6,998.24	120,533.67	126,425.22	5,891.55	47.50	45.29
4,439.11	65,980.55	68,799.59	2,819.04	40.75	39.08
193.26	2,681.47	2,866.19	184.72	39.00	36.48
590.81	9,756.09	9,941.87	185.78	44.25	43.42
9,086.46	120,662.19	128,728.85	8,066.66	37.25	34.92
1,462.96	22,597.87	23,227.97	630.10	41.75	40.61
782.75	10,773.47	11,533.95	760.48	38.75	36.19
7,054.77	109,879.49	112,690.20	2,810.71	42.00	40.95
7,535.15	111,239.93	131,826.43	20,586.50	46.00	38.82
1,392.23	22,453.77	23,295.80	842.03	44.00	42.41
1,441.40	20,791.62	20,282.17	509.45	37.00	37.93
1,594.43	28,031.53	30,926.83	2,895.30	51.00	46.23
30,884.98	394,675.15	416,991.89	22,316.74	35.50	33.60
614.21	10,303.16	10,860.46	557.30	46.50	44.11
661.80	9,197.96	9,943.15	745.19	39.50	36.54
4,494.06	75,604.07	76,061.27	457.20	44.50	44.23
3,155.73	48,927.00	54,908.00	5,981.00	45.75	40.77
2,216.01	37,216.82	37,924.90	708.08	45.00	44.16
838.50	14,498.75	14,590.84	92.09	45.75	45.46
1,385.92	23,376.03	24,378.76	1,002.73	46.25	44.35
37,759.12	457,945.58	491,853.69	33,908.11	34.25	31.89
3,010.59	47,917.22	51,525.00	3,607.78	45.00	41.85
958.13	12,637.64	13,455.28	817.64	35.75	34.68
1,233.42	20,806.16	21,579.76	773.60	46.00	44.35
1,412.48	20,237.93	21,083.48	845.55	39.25	37.67
1,674.10	28,488.74	29,127.13	638.39	45.75	44.74
808.26	14,209.86	15,368.74	1,158.88	50.00	46.23
13,059.39	161,593.63	172,595.14	11,001.51	34.75	32.53
524.82	6,504.40	7,184.70	680.30	36.00	32.59
3,128.12	46,691.31	47,586.01	894.70	40.00	39.25
879.51	10,514.35	11,287.70	773.35	33.75	31.43
22,307.82	303,223.48	316,038.01	12,814.53	37.25	35.74

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Brantford	37,779.1	187,636.1	1,191,201.89	188,895.50	94,447.75
Brantford Twp.	3,537.1	18,341.5	127,107.61	17,685.50	8,842.75
Brechin	107.5	452.5	4,827.73	.....	268.75
Bridgeport	576.0	2,755.2	20,311.34	2,880.00	1,440.00
Brigden	189.4	748.8	7,210.23	947.00	473.50
Brighton	1,037.2	5,277.9	39,061.49	.....	2,593.00
Brockville	12,575.0	62,297.8	387,068.52	.....	31,437.50
Bronte	714.0	3,660.4	26,607.27	3,570.00	1,785.00
Brussels	493.4	2,060.6	19,497.52	2,467.00	1,233.50
Burford	600.6	2,549.3	21,128.38	3,003.00	1,501.50
Burgessville	153.3	506.0	5,350.35	766.50	383.25
Burk's Falls	335.3	1,528.0	15,542.71	.....	838.25
Burlington	5,698.7	28,442.9	194,846.84	28,493.50	14,246.75
Caledonia	786.8	3,955.2	27,701.76	3,934.00	1,967.00
Campbellville	116.0	526.4	4,370.24	580.00	290.00
Cannington	503.5	2,292.0	23,340.71	.....	1,258.75
Cardinal	763.1	3,777.4	29,619.74	.....	1,907.75
Carleton Place	2,719.4	13,755.6	104,618.05	.....	6,798.50
Casselman	484.3	1,873.6	18,263.11	.....	1,210.75
Cayuga	308.0	1,368.2	11,448.40	1,540.00	770.00
Chalk River	285.0	1,636.8	10,501.56	.....	712.50
Chatham	14,812.9	70,918.9	459,152.62	74,064.50	37,032.25
Chatsworth	209.2	929.6	8,949.26	.....	523.00
Chesley	1,049.1	4,170.5	39,603.34	.....	2,622.75
Chesterville	994.9	4,554.6	39,092.76	.....	2,487.25
Chippawa	806.9	4,132.8	28,895.22	4,034.50	2,017.25
Clifford	259.4	1,236.4	10,159.43	1,297.00	648.50
Clinton	1,679.1	8,497.6	60,344.03	8,395.50	4,197.75
Cobden	457.5	1,949.4	14,962.96	.....	1,143.75
Cobourg	6,738.6	34,433.9	261,886.50	.....	16,846.50
Colborne	637.5	3,177.6	25,370.67	.....	1,593.75
Coldwater	351.9	1,493.3	13,795.60	.....	879.75
Collingwood	5,125.2	23,083.5	201,383.16	.....	12,813.00
Comber	238.4	954.6	9,438.68	1,192.00	596.00
Cookstown	266.9	1,168.0	11,905.37	.....	667.25
Cottam	188.2	804.8	6,632.24	941.00	470.50
Courtright	130.0	593.7	4,911.11	650.00	325.00
Creemore	390.9	1,716.0	16,266.45	.....	977.25
Dashwood	207.8	769.6	8,508.92	1,039.00	519.50
Delaware	190.7	761.0	6,988.87	953.50	476.75

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
99,333.99	1,375,211.15	1,445,052.18	69,841.03	38.25	36.40
9,300.23	144,335.63	138,832.47	5,503.16	39.25	40.81
282.65	4,813.83	4,595.27	218.56	42.75	44.78
1,514.50	23,116.84	23,903.66	786.82	41.50	40.13
498.00	8,132.73	8,666.59	533.86	45.75	42.94
2,727.15	38,927.34	41,228.71	2,301.37	39.75	37.53
33,063.91	385,442.11	418,119.31	32,677.20	33.25	30.65
1,877.35	30,084.92	30,703.08	618.16	43.00	42.14
1,297.31	21,900.71	23,315.13	1,414.42	47.25	44.39
1,579.18	24,053.70	25,523.39	1,469.69	42.50	40.05
403.08	6,097.02	6,361.25	264.23	41.50	39.77
881.62	15,499.34	16,850.92	1,351.58	50.25	46.23
14,983.80	222,603.29	240,769.39	18,166.10	42.25	39.06
2,068.76	31,534.00	32,259.85	725.85	41.00	40.08
305.00	4,935.24	5,043.83	108.59	43.50	42.55
1,323.87	23,275.59	23,160.61	114.98	46.00	46.23
2,006.45	29,521.04	30,525.67	1,004.63	40.00	38.69
7,150.22	104,266.33	110,136.38	5,870.05	40.50	38.34
1,273.39	18,200.47	20,097.06	1,896.59	41.50	37.58
809.84	12,948.56	13,784.49	835.93	44.75	42.04
749.36	10,464.70	10,828.43	363.73	38.00	36.72
38,948.11	531,301.26	559,186.03	27,884.77	37.75	35.87
550.06	8,922.20	8,784.30	137.90	42.00	42.65
2,758.44	39,467.65	40,914.90	1,447.25	39.00	37.62
2,615.93	38,964.08	42,281.13	3,317.05	42.50	39.16
2,121.61	32,825.36	33,083.93	258.57	41.00	40.68
682.05	11,422.88	11,803.07	380.19	45.50	44.04
4,414.92	68,522.36	71,359.63	2,837.27	42.50	40.81
1,202.92	14,903.79	15,782.92	879.13	34.50	32.58
17,718.05	261,014.95	281,335.85	20,320.90	41.75	38.73
1,676.20	25,288.22	27,093.74	1,805.52	42.50	39.67
925.26	13,750.09	14,515.53	765.44	41.25	39.07
13,475.88	200,720.28	210,132.20	9,411.92	41.00	39.16
626.83	10,599.85	11,145.97	546.12	46.75	44.46
701.77	11,871.85	11,810.71	61.14	44.25	44.48
494.84	7,548.90	7,858.74	309.84	41.75	40.11
341.81	5,544.30	5,686.41	142.11	43.75	42.65
1,027.81	16,215.89	16,516.95	301.06	42.25	41.48
546.38	9,521.04	9,817.36	296.32	47.25	45.82
501.41	7,917.71	8,199.40	281.69	43.00	41.52

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Delhi	1,767.2	8,993.1	67,341.22	8,836.00	4,418.00
Deseronto	759.4	3,691.6	29,619.26	.....	1,898.50
Dorchester	290.9	1,258.2	10,536.58	1,454.50	727.25
Drayton	286.9	1,116.7	10,291.59	1,434.50	717.25
Dresden	921.5	4,586.4	36,268.86	4,607.50	2,303.75
Drumbo	187.0	706.3	7,464.96	935.00	467.50
Dublin	183.5	742.0	6,359.46	917.50	458.75
Dundalk	415.9	1,781.2	18,103.71	.....	1,039.75
Dundas	5,907.9	28,619.5	182,795.05	29,539.50	14,769.75
Dunnville	2,876.9	14,181.5	114,436.97	14,384.50	7,192.25
Durham	1,224.4	5,337.6	48,046.39	.....	3,061.00
Dutton	321.5	1,362.4	13,295.29	1,607.50	803.75
East York Twp.	30,693.4	166,390.5	990,287.77	153,467.00	76,733.50
Eganville	328.6	1,606.4	11,953.70	.....	821.50
Elmira	2,937.2	13,322.0	104,009.27	14,686.00	7,343.00
Elmvale	466.8	2,118.4	18,539.34	.....	1,167.00
Elmwood	160.3	509.2	6,393.05	.....	400.75
Elora	671.2	2,913.4	26,738.58	3,356.00	1,678.00
Embro	303.5	1,337.0	11,404.70	1,517.50	758.75
Erieau	319.2	1,526.4	12,841.63	1,596.00	798.00
Erie Beach	49.9	154.6	1,833.66	249.50	124.75
Erin	403.1	1,809.6	16,187.25	.....	1,007.75
Essex	1,244.3	6,311.3	47,496.43	6,221.50	3,110.75
Etobicoke Twp.	72,474.1	437,453.7	2,487,912.61	362,370.50	181,185.25
Exeter	1,609.1	7,705.6	64,058.60	8,045.50	4,022.75
Fergus	2,906.7	11,822.1	102,870.77	14,533.50	7,266.75
Finch	180.9	804.8	6,705.39	.....	452.25
Flesherton	266.3	1,119.2	9,736.50	.....	665.75
Fonthill	944.9	4,435.2	32,646.63	4,724.50	2,362.25
Forest	1,033.0	5,901.6	42,714.73	5,165.00	2,582.50
Forest Hill	11,481.6	63,053.7	370,302.02	57,408.00	28,704.00
Frankford	511.9	2,281.0	17,204.52	.....	1,279.75
Galt	19,839.5	92,596.0	598,996.21	99,197.50	49,598.75
Georgetown	4,867.1	27,075.2	169,637.24	24,335.50	12,167.75
Glencoe	424.4	1,905.7	17,143.61	2,122.00	1,061.00
Goderich	3,679.8	18,032.2	151,243.85	18,399.00	9,199.50
Grand Bend	547.0	2,224.0	22,619.06	2,735.00	1,367.50
Grand Valley	384.0	1,401.0	16,805.24	.....	960.00
Granton	97.6	381.8	3,574.75	488.00	244.00
Gravenhurst	2,288.3	11,405.3	86,061.66	.....	5,720.75

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
4,646.56	75,948.66	76,873.19	924.53	43.50	42.98
1,996.72	29,521.04	31,514.77	1,993.73	41.50	38.87
764.87	11,953.46	12,945.43	991.97	44.50	41.09
754.36	11,688.98	12,334.91	645.93	43.00	40.74
2,422.93	40,757.18	42,389.76	1,632.58	46.00	44.23
491.69	8,375.77	8,834.95	459.18	47.25	44.79
482.48	7,253.23	7,616.99	363.76	41.50	39.53
1,093.54	18,049.92	17,673.62	376.30	42.50	43.40
15,533.86	211,570.44	217,115.65	5,545.21	36.75	35.81
7,564.34	128,449.38	134,493.53	6,044.15	46.75	44.65
3,219.36	47,888.03	49,895.68	2,007.65	40.75	39.11
845.33	14,861.21	16,395.68	1,534.47	51.00	46.23
80,703.29	1,139,784.98	1,174,023.19	34,238.21	38.25	37.13
864.00	11,911.20	12,405.60	494.40	37.75	36.25
7,722.89	118,315.38	124,831.37	6,515.99	42.50	40.28
1,227.37	18,478.97	18,905.76	426.79	40.50	39.58
421.48	6,372.32	6,373.25	.93	39.75	39.75
1,764.81	30,007.77	30,707.01	699.24	45.75	44.71
798.00	12,882.95	13,278.84	395.89	43.75	42.45
839.28	14,396.35	15,241.00	844.65	47.75	45.10
131.20	2,076.71	2,232.63	155.92	44.75	41.62
1,059.89	16,135.11	16,424.97	289.86	40.75	40.03
3,271.68	53,557.00	55,682.09	2,125.09	44.75	43.04
190,558.83	2,840,909.53	2,935,201.71	94,292.18	40.50	39.20
4,230.87	71,895.98	74,421.27	2,525.29	46.25	44.68
7,642.69	117,028.33	122,079.30	5,050.97	42.00	40.26
475.65	6,681.99	7,189.13	507.14	39.75	36.94
700.19	9,702.06	9,586.80	115.26	36.00	36.43
2,484.46	37,248.92	40,392.34	3,143.42	42.75	39.42
2,716.11	47,746.12	52,683.88	4,937.76	51.00	46.23
30,189.00	426,225.02	444,913.29	18,688.27	38.75	37.12
1,345.96	17,138.31	18,172.76	1,034.45	35.50	33.48
52,164.73	695,627.73	724,140.86	28,513.13	36.50	35.06
12,797.25	193,343.24	204,417.15	11,073.91	42.00	39.72
1,115.89	19,210.72	20,160.18	949.46	47.50	45.26
9,675.43	169,166.92	178,468.27	9,301.35	48.50	45.97
1,438.25	25,283.31	27,896.59	2,613.28	51.00	46.23
1,009.67	16,755.57	17,088.74	333.17	44.50	43.63
256.62	4,050.13	4,122.56	72.43	42.25	41.50
6,016.71	85,765.70	86,954.44	1,188.74	38.00	37.48

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standardization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Grimsby	2,108.6	11,390.6	78,767.95	10,543.00	5,271.50
Guelph	25,669.8	125,230.4	782,478.62	128,349.00	64,174.50
Hagersville	1,671.4	6,784.7	60,053.66	8,357.00	4,178.50
Hamilton	254,630.7	1,535,718.4	8,408,472.07	1,273,153.50	636,576.75
Hanover	3,025.3	12,753.1	105,446.90	.....	7,563.25
Harriston	1,026.5	5,019.6	37,766.03	5,132.50	2,566.25
Harrow	1,042.8	4,811.2	39,732.47	5,214.00	2,607.00
Hastings	350.6	1,622.4	12,838.62	.....	876.50
Havelock	374.7	1,745.2	14,521.40	.....	936.75
Hawkesbury	2,250.4	11,522.9	70,931.32	.....	5,626.00
Hensall	654.7	2,837.6	24,689.19	3,273.50	1,636.75
Hespeler	5,328.5	23,675.5	167,372.27	26,642.50	13,321.25
Highgate	170.9	574.1	6,844.47	854.50	427.25
Holstein	82.1	346.6	3,354.16	.....	205.25
Huntsville	2,287.3	12,176.0	101,430.48	.....	5,718.25
Ingersoll	4,525.0	21,540.0	154,929.07	22,625.00	11,312.50
Iroquois	620.2	3,362.5	25,599.23	.....	1,550.50
Jarvis	286.2	1,309.0	11,125.41	1,431.00	715.50
Kemptville	1,202.7	5,509.1	45,385.39	.....	3,006.75
Kincardine	1,601.9	8,535.6	74,259.76	.....	4,004.75
Kingston	32,134.8	176,201.9	1,020,974.00	.....	80,337.00
Kingsville	1,397.3	6,909.7	48,598.74	6,986.50	3,493.25
Kirkfield	68.7	266.0	3,184.59	.....	171.75
Kitchener	52,790.5	271,639.4	1,477,330.50	263,952.50	131,976.25
Lakefield	958.9	4,557.6	31,301.54	.....	2,397.25
Lambeth	683.2	2,979.6	24,552.81	3,416.00	1,708.00
Lanark	266.0	1,168.4	9,701.81	.....	665.00
Lancaster	194.7	922.2	7,300.15	.....	486.75
La Salle	990.6	4,745.2	36,268.81	4,953.00	2,476.50
Leamington	4,431.5	23,176.8	161,989.84	22,157.50	11,078.75
Lindsay	6,300.8	35,748.4	230,260.30	.....	15,752.00
Listowel	2,494.8	11,382.9	86,488.78	12,474.00	6,237.00
London	56,312.7	332,341.6	1,833,309.48	281,563.50	140,781.75
London Twp.	1,370.5	5,925.6	45,948.67	6,852.50	3,426.25
Long Branch	5,695.0	29,521.7	194,573.69	28,475.00	14,237.50
L'Orignal	243.8	1,082.0	9,373.77	.....	609.50
Lucan	463.3	2,116.8	18,791.53	2,316.50	1,158.25
Lucknow	472.3	2,233.6	21,612.51	.....	1,180.75
Lynden	226.8	963.2	8,177.03	1,134.00	567.00
Madoc	678.4	3,261.0	26,549.47	.....	1,696.00

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
5,544.22	89,038.23	97,522.76	8,484.53	46.25	42.23
67,494.56	907,507.56	969,036.21	61,528.65	37.75	35.35
4,394.67	68,194.49	69,363.45	1,168.96	41.50	40.80
669,509.92	9,648,692.40	9,866,940.27	218,247.87	38.75	37.89
7,954.53	105,055.62	107,398.16	2,342.54	35.50	34.72
2,699.01	42,765.77	44,397.22	1,631.45	43.25	41.66
2,741.87	44,811.60	46,144.67	1,333.07	44.25	42.97
921.85	12,793.27	14,986.38	2,193.11	42.75	36.49
985.21	14,472.94	16,297.28	1,824.34	43.50	38.63
5,917.06	70,640.26	75,389.79	4,749.53	33.50	31.39
1,721.43	27,878.01	28,804.97	926.96	44.00	42.58
14,010.42	193,325.60	203,816.07	10,490.47	38.25	36.28
449.35	7,676.87	8,075.04	398.17	47.25	44.92
215.87	3,343.54	3,427.33	83.79	41.75	40.72
6,014.08	101,134.65	103,501.06	2,366.41	45.25	44.22
11,897.75	176,968.82	184,394.09	7,425.27	40.75	39.11
1,630.71	25,519.02	27,752.84	2,233.82	44.75	41.15
752.52	12,519.39	13,092.52	573.13	45.75	43.74
3,162.30	45,229.84	48,710.72	3,480.88	40.50	37.61
4,211.93	74,052.58	75,688.60	1,636.02	47.25	46.23
84,493.22	1,016,817.78	1,092,582.04	75,764.26	34.00	31.64
3,673.97	55,404.52	57,290.00	1,885.48	41.00	39.65
180.64	3,175.70	3,089.65	86.05	45.00	46.23
138,804.02	1,734,455.23	1,847,668.67	113,213.44	35.00	32.86
2,521.27	31,177.52	34,521.30	3,343.78	36.00	32.51
1,796.36	27,880.45	28,693.35	812.90	42.00	40.81
699.40	9,667.41	10,772.31	1,104.90	40.50	36.34
511.93	7,274.97	7,739.98	465.01	39.75	37.37
2,604.62	41,093.69	42,595.46	1,501.77	43.00	41.48
11,651.91	183,574.18	190,555.95	6,981.77	43.00	41.42
16,566.93	229,445.37	244,155.03	14,709.66	38.75	36.42
6,559.67	98,640.11	102,911.53	4,271.42	41.25	39.54
148,065.07	2,107,589.66	2,182,115.19	74,525.53	38.75	37.43
3,603.51	52,623.91	54,476.71	1,852.80	39.75	38.40
14,974.07	222,312.12	229,222.07	6,909.95	40.25	39.04
641.03	9,342.24	9,567.85	225.61	39.25	38.32
1,218.17	21,048.11	23,165.82	2,117.71	50.00	45.43
1,241.84	21,551.42	21,251.27	300.15	45.00	45.63
596.33	9,281.70	9,751.32	469.62	43.00	40.92
1,783.74	26,461.73	28,321.13	1,859.40	41.75	39.01

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard-ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Magnetawan.....	66.3	284.4	3,073.38	.....	165.75
Markdale.....	508.7	2,304.4	21,088.00	.....	1,271.75
Markham.....	1,693.2	8,196.0	64,452.91	8,466.00	4,233.00
Marmora.....	559.7	2,736.7	23,301.88	.....	1,399.25
Martintown.....	133.8	478.6	4,529.53	.....	334.50
Maxville.....	349.8	1,406.8	14,022.89	.....	874.50
Meaford.....	1,993.9	10,256.6	84,991.91	.....	4,984.75
Merlin.....	232.7	1,024.0	8,749.72	1,163.50	581.75
Merrickville.....	365.0	1,725.8	13,452.63	.....	912.50
Merritton.....	15,060.3	85,995.5	497,009.00	75,301.50	37,650.75
Midland.....	5,680.4	27,598.2	196,654.14	.....	14,201.00
Mildmay.....	384.3	1,647.8	14,765.39	.....	960.75
Millbrook.....	327.2	1,496.2	12,966.97	.....	818.00
Milton.....	3,625.7	17,776.2	131,291.60	18,128.50	9,064.25
Milverton.....	768.7	2,896.0	29,316.26	3,843.50	1,921.75
Mimico.....	6,655.8	36,132.4	218,508.29	33,279.00	16,639.50
Mitchell.....	1,373.5	6,730.7	47,503.74	6,867.50	3,433.75
Moorefield.....	164.7	665.2	5,861.36	823.50	411.75
Morrisburg.....	1,021.7	5,703.6	40,742.00	.....	2,554.25
Mount Brydges.....	280.3	1,158.0	10,112.36	1,401.50	700.75
Mount Forest.....	1,418.7	6,283.2	55,143.08	.....	3,546.75
Napanee.....	2,845.2	14,303.7	111,511.43	.....	7,113.00
Neustadt.....	239.8	913.4	8,700.66	.....	599.50
Newboro.....	74.4	291.2	2,540.09	.....	186.00
Newburgh.....	207.3	846.0	7,734.77	.....	518.25
Newbury.....	93.9	360.3	3,883.26	469.50	234.75
Newcastle.....	701.8	3,334.2	23,602.92	.....	1,754.50
New Hamburg.....	1,100.7	5,027.9	39,223.14	5,503.50	2,751.75
Newmarket.....	4,630.8	23,327.4	155,198.50	23,154.00	11,577.00
New Toronto.....	18,275.1	91,497.6	593,861.79	91,375.50	45,687.75
Niagara.....	1,587.3	8,509.1	57,633.92	7,936.50	3,968.25
Niagara Falls.....	15,546.0	84,067.3	499,931.59	77,730.00	38,865.00
North York Twp.....	105,392.1	589,138.6	3,472,993.36	526,960.50	263,480.25
Norwich.....	857.5	3,949.7	32,957.27	4,287.50	2,143.75
Norwood.....	421.7	2,074.4	17,469.76	.....	1,054.25
Oakville.....	7,897.5	40,748.0	261,103.20	39,487.50	19,743.75
Oil Springs.....	195.9	1,152.5	8,100.59	979.50	489.75
Omeme.....	338.3	1,563.2	13,217.90	.....	845.75
Orangeville.....	2,253.2	10,958.2	96,427.72	.....	5,633.00
Orillia.....	3,937.4	12,679.4	142,881.30	.....	9,843.50

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
174.33	3,064.80	3,380.04	315.24	51.00	46.23
1,337.54	21,022.21	21,109.33	87.12	41.50	41.32
4,451.99	72,699.92	74,502.63	1,802.71	44.00	42.94
1,471.64	23,229.49	25,746.20	2,516.71	46.00	41.50
351.81	4,512.22	4,916.54	404.32	36.75	33.72
919.74	13,977.65	14,951.82	974.17	42.75	39.96
5,242.64	84,734.02	83,744.50	989.52	42.00	42.50
611.85	9,883.12	10,647.61	764.49	45.75	42.47
959.71	13,405.42	12,956.91	448.51	35.50	36.73
39,598.60	570,362.65	583,587.60	13,224.95	38.75	37.87
14,935.69	195,919.45	203,074.59	7,155.14	35.75	34.49
1,010.45	14,715.69	15,180.83	465.14	39.50	38.29
860.32	12,924.65	14,069.24	1,144.59	43.00	39.50
9,533.19	148,951.16	153,186.19	4,235.03	42.25	41.08
2,021.17	33,060.34	34,014.61	954.27	44.25	43.01
17,500.34	250,926.45	254,585.65	3,659.20	38.25	37.70
3,611.39	54,193.60	56,998.19	2,804.59	41.50	39.46
433.05	6,663.56	6,917.05	253.49	42.00	40.46
2,686.39	40,609.86	44,954.07	4,344.21	44.00	39.75
737.00	11,477.61	11,983.92	506.31	42.75	40.95
3,730.24	54,959.59	56,038.99	1,079.40	39.50	38.74
7,480.99	111,143.44	117,365.56	6,222.12	41.25	39.06
630.52	8,669.64	8,993.46	323.82	37.50	36.15
195.62	2,530.47	2,714.38	183.91	36.50	34.01
545.06	7,707.96	8,345.50	637.54	40.25	37.18
246.89	4,340.62	4,720.18	379.56	50.25	46.23
1,845.27	23,512.15	25,088.45	1,576.30	35.75	33.50
2,894.11	44,584.28	45,402.38	818.10	41.25	40.51
12,175.93	177,753.57	182,915.28	5,161.71	39.50	38.38
48,051.40	682,873.64	721,867.75	38,994.11	39.50	37.37
4,173.55	65,365.12	63,491.33	1,873.79	40.00	41.18
40,875.67	575,650.92	602,406.53	26,755.61	38.75	37.03
277,111.35	3,986,322.76	4,110,290.95	123,968.19	39.00	37.82
2,254.66	37,133.86	36,870.71	263.15	43.00	43.30
1,108.79	17,415.22	19,082.69	1,667.47	45.25	41.30
20,765.19	299,569.26	309,976.56	10,407.30	39.25	37.93
515.09	9,054.75	9,990.09	935.34	51.00	46.23
889.50	13,174.15	14,206.50	1,032.35	42.00	38.94
5,924.42	96,136.30	100,831.83	4,695.53	44.75	42.67
10,352.75	142,372.05	146,655.23	4,283.18	37.25	36.16

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Orono.....	356.0	1,532.4	12,596.83	.....	890.00
Oshawa.....	49,804.2	265,538.3	1,588,480.20	.....	124,510.50
Ottawa.....	117,753.6	596,704.8	3,653,863.64	.....	294,384.00
Otterville.....	305.4	1,357.6	11,112.19	1,527.00	763.50
Owen Sound.....	10,306.7	50,613.0	358,477.90	.....	25,766.75
Paisley.....	378.8	1,710.1	14,283.57	.....	947.00
Palmerston.....	963.5	4,827.6	34,092.95	4,817.50	2,408.75
Paris.....	3,220.4	14,963.6	102,357.60	16,102.00	8,051.00
Parkhill.....	590.5	2,660.0	23,570.03	2,952.50	1,476.25
Parry Sound.....	1,303.2	6,369.2	55,661.37	.....	3,258.00
Penetanguishene.....	2,031.3	10,242.7	70,508.20	.....	5,078.25
Perth.....	3,210.5	14,045.2	112,162.62	.....	8,026.25
Peterborough.....	32,018.1	177,420.1	1,049,391.59	.....	80,045.25
Petrolia.....	1,309.2	6,821.3	53,905.38	6,546.00	3,273.00
Petrolia (Waterworks).....	129.8	642.8	4,916.00	649.00	324.50
Picton.....	3,137.2	15,185.6	109,442.74	.....	7,843.00
Plattsville.....	490.4	1,870.4	17,441.53	2,452.00	1,226.00
Point Edward.....	3,184.9	12,314.0	100,511.46	15,924.50	7,962.25
Port Burwell.....	187.8	816.0	7,518.49	939.00	469.50
Port Colborne.....	4,933.2	27,706.0	170,999.94	24,666.00	12,333.00
Port Credit.....	6,005.1	37,624.0	222,102.50	30,025.50	15,012.75
Port Dalhousie.....	1,328.6	8,073.6	49,798.60	6,643.00	3,321.50
Port Dover.....	1,572.5	8,222.4	57,004.05	7,862.50	3,931.25
Port Elgin.....	1,030.3	4,773.6	46,154.96	.....	2,575.75
Port Hope.....	6,466.2	35,043.6	243,981.28	.....	16,165.50
Port McNicoll.....	998.4	2,797.4	33,650.06	.....	2,496.00
Port Perry.....	965.3	4,492.8	39,611.76	.....	2,413.25
Port Rowan.....	218.1	946.3	8,878.31	1,090.50	545.25
Port Stanley.....	993.1	4,870.4	39,475.91	4,965.50	2,482.75
Prescott.....	2,837.1	13,468.6	101,818.84	.....	7,092.75
Preston.....	7,521.3	35,303.1	236,797.00	37,606.50	18,803.25
Priceville.....	39.7	151.3	1,744.27	.....	99.25
Princeton.....	201.3	861.2	7,785.08	1,006.50	503.25
Queenston.....	264.0	1,424.4	9,302.29	1,320.00	660.00
Renfrew.....	2,971.6	11,667.1	100,602.43	.....	7,429.00
Richmond.....	324.8	1,478.8	10,816.78	.....	812.00
Richmond Hill.....	5,335.1	25,895.2	195,550.17	26,675.50	13,337.75
Ridgetown.....	1,045.7	4,765.7	41,670.35	5,228.50	2,614.25
Ripley.....	239.5	1,065.6	10,821.84	.....	598.75
Riverside.....	4,649.4	22,364.8	163,555.38	23,247.00	11,623.50
Rockland.....	662.7	2,964.2	22,276.87	.....	1,656.75

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
936.04	12,550.79	13,528.63	977.84	38.00	35.26
130,952.03	1,582,038.67	1,705,792.98	123,754.31	34.25	31.77
309,613.91	3,638,633.73	3,768,116.26	129,482.53	32.00	30.90
803.00	12,599.69	13,210.35	610.66	43.25	41.26
27,099.79	357,144.86	371,040.30	13,895.44	36.00	34.65
995.99	14,234.58	14,771.92	537.34	39.00	37.58
2,533.37	38,785.83	40,224.73	1,438.90	41.75	40.26
8,467.52	118,043.08	124,789.85	6,746.77	38.75	36.65
1,552.62	26,446.16	27,163.76	717.60	46.00	44.79
3,426.55	55,492.82	56,035.47	542.65	43.00	42.58
5,340.97	70,245.48	73,128.00	2,882.52	36.00	34.58
8,441.49	111,747.38	121,196.37	9,448.99	37.75	34.81
84,186.38	1,045,250.46	1,112,629.84	67,379.38	34.75	32.65
3,442.33	60,282.05	62,185.82	1,903.77	47.50	46.04
341.29	5,548.21	6,164.32	616.11	47.50	42.74
8,248.76	109,036.98	118,430.25	9,393.27	37.75	34.76
1,289.43	19,830.10	21,209.80	1,379.70	43.25	40.44
8,374.18	116,024.03	126,599.44	10,575.41	39.75	36.43
493.79	8,433.20	9,249.96	816.76	49.25	44.90
12,971.05	195,027.89	202,262.92	7,235.03	41.00	39.53
15,789.43	251,351.32	255,216.76	3,865.44	42.50	41.86
3,493.34	56,269.76	56,463.38	193.62	42.50	42.35
4,134.63	64,663.17	69,977.35	5,314.18	44.50	41.12
2,709.01	46,021.70	46,619.58	597.88	45.25	44.67
17,001.82	243,144.96	268,347.31	25,202.35	41.50	37.60
2,625.13	33,520.93	34,445.97	925.04	34.50	33.57
2,538.10	39,486.91	40,543.65	1,056.74	42.00	40.91
573.46	9,940.60	10,579.89	639.29	48.50	45.58
2,611.19	44,312.97	44,936.65	623.68	45.25	44.62
7,459.69	101,451.90	107,809.78	6,357.88	38.00	35.76
19,776.03	273,430.72	276,406.56	2,975.84	36.75	36.35
104.38	1,739.14	1,715.21	23.93	43.25	43.81
529.29	8,765.54	9,359.30	593.76	46.50	43.54
694.14	10,588.15	10,824.00	235.85	41.00	40.11
7,813.34	100,218.09	112,919.85	12,701.76	38.00	33.73
854.01	10,774.77	11,366.54	591.77	35.00	33.17
14,027.78	221,535.64	230,743.81	9,208.17	43.25	41.52
2,749.50	46,763.60	50,455.02	3,691.42	48.25	44.72
629.73	10,790.86	10,836.22	45.36	45.25	45.06
12,224.84	186,201.04	191,786.73	5,585.69	41.25	40.05
1,742.46	22,191.16	23,692.12	1,500.96	35.75	33.49

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standardization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Rockwood.....	331.4	1,521.2	13,417.05	1,657.00	828.50
Rodney.....	374.5	1,670.5	15,485.89	1,872.50	936.25
Rosseau.....	66.3	292.5	2,805.41	.....	165.75
Russell.....	209.0	929.9	7,006.44	.....	522.50
St. Catharines.....	39,716.4	197,606.5	1,235,052.21	198,582.00	99,291.00
St. Clair Beach.....	460.4	2,193.0	16,378.68	2,302.00	1,151.00
St. George.....	340.6	1,697.4	12,784.42	1,703.00	851.50
St. Jacobs.....	412.1	1,635.5	16,006.71	2,060.50	1,030.25
St. Mary's.....	2,680.9	13,557.1	80,595.43	13,404.50	6,702.25
St. Thomas.....	11,875.7	66,975.6	377,209.72	59,378.50	29,689.25
Sandwich East Twp.....	5,073.8	25,136.6	175,273.07	25,369.00	12,684.50
Sandwich West Twp.....	7,244.4	34,034.6	250,304.38	36,222.00	18,111.00
Sarnia.....	33,250.0	219,712.7	1,151,035.86	166,250.00	83,125.00
Scarborough Twp.....	88,514.1	470,166.9	2,880,879.05	442,570.50	221,285.25
Seaforth.....	1,395.4	6,264.6	38,061.46	6,977.00	3,488.50
Shelburne.....	749.6	3,168.8	34,654.12	.....	1,874.00
Simcoe.....	5,417.5	26,735.3	174,260.01	27,087.50	13,543.75
Smith's Falls.....	6,013.5	28,034.9	187,973.89	.....	15,033.75
Smithville.....	460.1	1,858.5	16,738.97	2,300.50	1,150.25
Southampton.....	910.9	4,542.1	41,199.73	.....	2,277.25
Springfield.....	198.9	809.5	6,657.63	994.50	497.25
Stamford Twp.....	13,075.8	68,274.4	420,340.35	65,379.00	32,689.50
Stayner.....	788.8	3,568.8	32,999.58	.....	1,972.00
Stirling.....	677.7	3,103.0	22,273.39	.....	1,694.25
Stoney Creek.....	2,661.8	13,797.9	93,610.28	13,309.00	6,654.50
Stouffville.....	1,388.8	6,228.0	51,973.86	6,944.00	3,472.00
Stratford.....	13,417.9	70,257.7	413,870.94	67,089.50	33,544.75
Strathroy.....	2,835.1	14,557.1	90,603.51	14,175.50	7,087.75
Streetsville.....	1,996.0	10,257.3	74,678.17	9,980.00	4,990.00
Sunderland.....	301.8	1,254.1	13,064.06	.....	754.50
Sundridge.....	225.1	1,071.3	10,432.78	.....	562.75
Sutton.....	817.7	3,889.9	33,786.27	4,088.50	2,044.25
Swansea.....	4,784.7	28,105.5	161,449.16	23,923.50	11,961.75
Tara.....	231.2	989.6	10,329.83	.....	578.00
Tavistock.....	721.5	3,345.4	26,512.82	3,607.50	1,803.75
Tecumseh.....	1,059.9	5,098.4	37,787.95	5,299.50	2,649.75
Teeswater.....	437.0	2,160.0	19,005.02	.....	1,092.50
Thamesford.....	439.0	1,929.4	18,157.74	2,195.00	1,097.50
Thamesville.....	588.8	2,217.4	23,088.54	2,944.00	1,472.00
Thedford.....	293.4	1,458.7	12,134.04	1,467.00	733.50

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
871.36	15,031.19	15,329.18	297.99	46.25	45.36
984.69	17,309.95	19,100.79	1,790.84	51.00	46.23
174.33	2,796.83	2,801.18	4.35	42.25	42.18
549.53	6,979.41	7,418.91	439.50	35.50	33.39
104,427.80	1,428,497.41	1,489,364.38	60,866.97	37.50	35.97
1,210.55	18,621.13	18,874.33	253.20	41.00	40.44
895.55	14,443.37	14,813.94	370.57	43.50	42.41
1,083.55	18,013.91	18,338.08	324.17	44.50	43.71
7,048.99	93,653.19	97,182.33	3,529.14	36.25	34.93
31,225.22	435,052.25	457,213.82	22,161.57	38.50	36.63
13,340.73	199,985.84	215,634.73	15,648.89	42.50	39.41
19,047.97	285,589.41	307,885.96	22,296.55	42.50	39.42
87,425.46	1,312,985.40	1,363,249.33	50,263.93	41.00	39.49
232,733.40	3,312,001.40	3,474,176.79	162,175.39	39.25	37.42
3,668.98	44,857.98	47,791.03	2,933.05	34.25	32.15
1,970.95	34,557.17	34,854.09	296.92	46.50	46.10
14,244.43	200,646.83	208,575.04	7,928.21	38.50	37.04
15,811.52	187,196.12	201,451.71	14,255.59	33.50	31.13
1,209.76	18,979.96	21,740.89	2,700.93	47.25	41.25
2,395.06	41,081.92	41,446.32	364.40	45.50	45.10
522.98	7,626.40	8,850.31	1,223.91	44.50	38.34
34,380.68	484,028.17	496,881.67	12,853.50	38.00	37.02
2,074.02	32,897.56	32,932.39	34.83	41.75	41.71
1,781.90	22,185.74	23,550.07	1,364.33	34.75	32.74
6,998.77	106,575.01	111,128.07	4,553.06	41.75	40.04
3,651.62	58,738.24	61,452.20	2,713.96	44.25	42.29
35,280.18	479,225.01	503,170.02	23,945.01	37.50	35.72
7,454.43	104,412.33	108,440.99	4,028.66	38.25	36.83
5,248.16	84,400.01	83,830.60	569.41	42.00	42.28
793.53	13,025.03	13,277.73	252.70	44.00	43.16
591.86	10,403.67	11,477.58	1,073.91	51.00	46.23
2,150.01	37,769.01	39,249.60	1,480.59	48.00	46.19
12,580.59	184,753.82	190,191.16	5,437.34	39.75	38.61
607.90	10,299.93	9,997.24	302.69	43.25	44.55
1,897.07	30,027.00	30,842.01	815.01	42.75	41.62
2,786.83	42,950.37	45,308.95	2,358.58	42.75	40.52
1,149.02	18,948.50	18,899.17	49.33	43.25	43.36
1,154.28	20,295.96	20,852.11	556.15	47.50	46.23
1,548.15	25,956.39	26,937.99	981.60	45.75	44.08
771.45	13,563.09	14,374.96	811.87	49.00	46.23

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standardization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Thornbury	527.1	2,471.2	22,140.34	.....	1,317.75
Thornedale	193.6	764.4	7,086.32	968.00	484.00
Thornton	103.2	386.4	3,785.20	.....	258.00
Thorold	9,759.6	59,005.6	326,223.10	48,798.00	24,399.00
Tilbury	1,248.5	5,455.1	50,544.86	6,242.50	3,121.25
Tillsonburg	3,723.3	18,037.2	113,572.46	18,616.50	9,308.25
Toronto	520,942.1	3,052,679.0	16,859,913.27	2,604,710.50	1,302,355.25
Toronto Twp.	37,653.0	247,106.8	1,338,851.13	188,265.00	94,132.50
Tottenham	301.0	1,455.0	12,796.35	.....	752.50
Trafalgar Twp.	6,819.8	35,457.0	241,891.33	34,099.00	17,049.50
Trenton	13,296.8	77,439.4	429,480.20	.....	33,242.00
Tweed	817.9	3,799.8	28,409.27	.....	2,044.75
Uxbridge	1,190.7	5,642.4	49,730.52	.....	2,976.75
Vankleek Hill	401.8	1,793.3	15,354.91	.....	1,004.50
Victoria Harbour	244.9	1,094.4	10,227.77	.....	612.25
Walkerton	2,138.1	9,352.0	80,200.38	.....	5,345.25
Wallaceburg	7,281.1	38,910.8	239,733.98	36,405.50	18,202.75
Wardsville	119.5	509.4	4,942.67	597.50	298.75
Warkworth	205.5	797.6	7,077.04	.....	513.75
Wasaga Beach	617.3	2,058.7	24,515.86	.....	1,543.25
Waterdown	854.7	4,147.2	29,098.55	4,273.50	2,136.75
Waterford	762.9	3,363.6	27,872.35	3,814.50	1,907.25
Waterloo	12,864.5	64,871.1	357,658.02	64,322.50	32,161.25
Watford	871.9	3,608.4	33,132.19	4,359.50	2,179.75
Waubashene	253.5	1,060.8	10,315.48	.....	633.75
Wellsburg	12,748.8	64,143.5	401,062.95	63,744.00	31,872.00
Wellesley	339.2	1,344.0	12,099.73	1,696.00	848.00
Wellington	515.6	2,242.4	20,016.09	.....	1,289.00
West Lorne	824.6	3,413.6	34,104.49	4,123.00	2,061.50
Weston	7,615.5	39,836.1	248,363.86	38,077.50	19,038.75
Westport	285.5	1,254.0	10,096.08	.....	713.75
Wheatley	636.7	2,835.3	25,243.73	3,183.50	1,591.75
Whitby	7,533.5	39,970.1	240,959.06	.....	18,833.75
Warton	928.3	4,861.6	40,661.64	.....	2,320.75
Williamsburg	177.5	816.0	7,669.38	.....	443.75
Winchester	921.4	4,278.6	36,715.80	.....	2,303.50
Windsor	97.1	421.8	3,823.17	.....	242.75
Windsor	74,631.1	377,176.3	2,351,781.72	373,155.50	186,577.75
Wingham	1,591.0	8,452.3	66,382.31	.....	3,977.50
Woodbridge	1,881.5	10,087.1	68,913.03	9,407.50	4,703.75

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
1,385.92	22,072.17	22,004.33	67.84	41.75	41.87
509.04	8,029.28	8,225.87	196.59	42.50	41.47
271.34	3,771.86	3,871.26	99.40	37.50	36.55
25,661.28	373,758.82	387,944.44	14,185.62	39.75	38.30
3,282.73	56,625.88	59,615.09	2,989.21	47.75	45.36
9,789.81	131,707.40	136,830.36	5,122.96	36.75	35.37
1,369,732.37	19,397,246.65	19,926,034.70	528,788.05	38.25	37.23
99,002.43	1,522,246.20	1,543,774.03	21,527.83	41.00	40.43
791.43	12,757.42	13,093.51	336.09	43.50	42.38
17,931.55	275,108.28	286,430.55	11,322.27	42.00	40.34
34,961.77	427,760.43	425,498.94	2,261.49	32.00	32.17
2,150.53	28,303.49	29,854.57	1,551.08	36.50	34.61
3,130.75	49,576.52	50,305.65	729.13	42.25	41.64
1,056.47	15,302.94	15,871.42	568.48	39.50	38.09
643.92	10,196.10	10,163.33	32.77	41.50	41.63
5,621.79	79,923.84	80,712.66	788.82	37.75	37.38
19,144.47	275,197.76	293,065.28	17,867.52	40.25	37.80
314.21	5,524.71	6,006.12	481.41	50.25	46.23
540.33	7,050.46	8,118.91	1,068.45	39.50	34.31
1,623.09	24,436.02	25,926.60	1,490.58	42.00	39.58
2,247.29	33,261.51	34,826.95	1,565.44	40.75	38.92
2,005.92	31,588.18	32,805.42	1,217.24	43.00	41.41
33,825.11	420,316.66	447,041.94	26,725.28	34.75	32.67
2,292.52	37,378.92	39,016.77	1,637.85	44.75	42.87
666.54	10,282.69	10,393.84	111.15	41.00	40.56
33,520.89	463,158.06	490,826.88	27,668.82	38.50	36.33
891.87	13,751.86	14,244.65	492.79	42.00	40.54
1,355.69	19,949.40	21,138.95	1,189.55	41.00	38.69
2,168.15	38,120.84	41,849.30	3,728.46	50.75	46.23
20,023.72	285,456.39	300,813.24	15,356.85	39.50	37.48
750.68	10,059.15	10,775.74	716.59	37.75	35.23
1,674.10	28,344.88	29,446.19	1,101.31	46.25	44.52
19,808.11	239,984.70	259,906.35	19,921.65	34.50	31.86
2,440.81	40,541.58	41,308.97	767.39	44.50	43.67
466.71	7,646.42	8,166.17	519.75	46.00	43.08
2,422.67	36,596.63	38,929.84	2,333.21	42.25	39.72
255.31	3,810.61	3,812.46	1.85	39.25	39.24
196,230.31	2,715,284.66	2,891,956.73	176,672.07	38.75	36.38
4,183.28	66,176.53	67,616.09	1,439.56	42.50	41.59
4,947.10	78,077.18	80,902.73	2,825.55	43.00	41.50

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standardization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Woodstock	14,995.6	79,655.9	474,360.97	74,978.00	37,489.00
Woodville	179.2	701.6	8,307.43	.....	448.00
Wyoming	320.1	1,257.0	12,517.90	1,600.50	800.25
York Twp.	50,057.5	297,986.5	1,643,605.30	250,287.50	125,143.75
Zurich	310.9	1,257.6	12,418.14	1,554.50	777.25
St. Lawrence Project—Customers	415.4	2,263.0	15,329.16	.....	1,038.50
Total—Municipalities	2,378,827.6	13,072,267.9	78,342,443.43	9,653,809.50	5,947,069.00
Total—Rural Power District	397,317.1	1,975,429.2	14,569,559.97	1,226,943.50	993,292.75
Total—Companies	668,347.4	8,624,268.9	25,715,978.72	5,016,497.72	1,670,868.50
Total—Local distribution systems ..	1,016.6	4,228.9	88,941.62	451.00	2,541.50
GRAND TOTAL	3,445,508.7	23,676,194.9	118,716,923.74	15,897,701.72	8,613,771.75

Notes on Cost of Power Statement

SOUTHERN ONTARIO SYSTEM

1. The total of \$118,716,923.74 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased	\$ 12,908,943
Interchange of power with Northern Ontario Properties	2,670,073
Operation, maintenance and administrative expenses	43,111,793
Interest	40,167,758
Depreciation	9,915,359
Sinking fund provision	11,590,960
Credit resulting from matured sinking fund	307,816
Provision for nuclear research	4,000,000
	<u>\$118,716,924</u>

The method used in 1956 of allocating the cost of power supplied to each customer was followed in 1957 with the exception of power supply costs which were allocated in 1957 on the basis of 50 per cent with reference to the quantity of energy supplied and 50 per cent with reference to average monthly peak loads. In 1956 these costs were allocated on the basis of 35 and 65 per cent respectively.

Interchange of power between the Southern Ontario System and the Northern Ontario Properties shown in the statement of operations as a deduction amounting to \$2,670,073 represents the cost of 761,023,000 kilowatt-hours of energy transferred to the Northern Ontario Properties less the cost of 1,139,000 kilowatt-hours of energy transferred to the Southern Ontario System. In 1957 the cost was determined by allocating 50 per cent on the basis of energy and 50 per cent on an equivalent peak load, while in 1956 the cost was determined on the basis of energy only. The kilowatt-hours transferred are not included in the cost of power statement in the total of energy supplied during the year—23,676,194,900 kilowatt-hours.

The credit of \$307,816 resulting from matured sinking fund consists of a principal amount of \$64,147 and interest at 4 per cent amounting to \$243,669.

The provision for nuclear research, \$4,000,000, was included in power supply costs and allocated to all customers on the basis of 50 per cent on the quantity of energy supplied and 50 per cent on average monthly peak loads.

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
39,428.49	547,399.48	569,832.15	22,432.67	38.00	36.50
471.18	8,284.25	8,465.25	181.00	47.25	46.23
841.65	14,077.00	14,484.92	407.92	45.25	43.98
131,618.04	1,887,418.51	1,927,214.38	39,795.87	38.50	37.70
817.46	13,932.43	14,377.60	445.17	46.25	44.81
.....	16,367.66	36,207.36	19,839.70	.....	39.40
6,253,647.22	87,689,674.71	91,117,169.87	3,427,495.16	.....	.....
1,044,680.56	15,745,115.66	15,745,115.66	.....	.....	.....
7,301,543.55	39,704,888.49	39,704,888.49	.....	.....	.....
3,215.77	88,718.35	88,718.35	.....	.....	.....
.....	143,228,397.21	146,655,892.37	3,427,495.16	.....	.....

2. Frequency standardization interest and portion of cost written off are as follows:

Interest.....	\$ 6,484,900.31
Portion of cost written off.....	9,412,801.41
	<u>\$15,897,701.72</u>

This represents a charge to all customers in the Niagara Division (except certain companies which will not be standardized at 60 cycles) at the rate of \$5 per kilowatt on the average monthly peak load supplied amounting to \$11,817,547.00 plus an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$4,080,154.72. The latter amount is included in the \$5,016,497.72 shown as charged to companies.

3. The provision for stabilization of rates and contingencies amounting to \$8,613,771.75 consists of a charge of \$2.50 per kilowatt on the average monthly peak load supplied to all customers.

4. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. It does not include surplus or secondary power which is sold on a kilowatt-hour basis for export outside the Province and to customers in Ontario. These surplus kilowatt-hours are, however, included in the total energy supplied to companies, and the net revenue represented by this energy was as follows:

	60-cycle surplus energy exported	Other surplus energy	Total
Revenue less export tax.....	\$ 4,392,870.04	\$ 8,446,265.47	\$12,839,135.51
Less costs related thereto.....	312,715.32	736,590.74	1,049,306.06
Net revenue.....	<u>\$ 4,080,154.72</u>	<u>\$ 7,709,674.73</u>	<u>\$11,789,829.45</u>

The net revenue from the sale of 60-cycle surplus energy exported of \$4,080,154.72 is applied against the cost of "Frequency standardization interest and portion of cost written off". (see Note 2). The net revenue from the sale of other surplus energy of \$7,709,674.73, like that from the sale of 60-cycle surplus energy exported, has been included in the amount billed to companies and, in consequence, the profit of \$7,301,543.55 is after taking such revenue into account.

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1957

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Acton.....	284,204.82	25,957.48	.....	310,162.30	1,686.60	67.46	17.76
Ailsa Craig	43,949.29	2,908.22	.....	46,857.51	201.33	8.05	2.12
Ajax.....	12,152.30	18,344.64	.....	30,496.94	.....	.....	.....
Alexandria.....	100,710.48	9,880.70	.....	110,591.18	.....	.....	.....
Alfred.....	1,743.10	1,263.68	.....	3,006.78	.....	.....	.....
Alliston.....	96,496.52	10,240.57	.....	106,737.09	.....	.....	.....
Almonte.....	30,401.61	6,024.58	.....	36,426.19	.....	.....	.....
Alvinston.....	43,309.14	2,726.84	.....	46,035.98	.....	.....	.....
Amherstburg.....	219,961.35	21,612.79	.....	241,574.14	.....	.....	.....
Ancaster Twp.....	81,145.18	10,428.81	.....	91,573.99	.....	.....	.....
Apple Hill.....	10,152.15	724.77	.....	10,876.92	.....	.....	.....
Arkona.....	23,060.83	1,961.58	.....	25,022.41	.....	.....	.....
Arnprior.....	129,324.28	19,975.40	.....	149,299.68	.....	.....	.....
Arthur.....	61,219.01	5,003.54	.....	66,222.55	.....	.....	.....
Athens.....	24,556.67	2,281.27	.....	26,837.94	.....	.....	.....
Aurora.....	104,179.45	16,127.86	.....	120,307.31	.....	.....	.....
Aylmer.....	193,665.22	19,807.49	212.76	213,685.47	.....	.....	.....
Ayr.....	53,249.39	4,532.33	.....	57,781.72	439.70	17.59	4.63
Baden.....	96,238.62	6,024.85	.....	102,263.47	2,088.32	83.53	21.99
Bancroft.....	9,346.86	3,821.37	504.14	13,672.37	.....	.....	.....
Barrie.....	654,430.22	72,349.50	.....	726,779.72	27,518.52	1,100.74	289.77
Barry's Bay.....	5,694.84	1,427.41	.....	7,122.25	.....	.....	.....
Bath.....	11,147.76	1,559.58	.....	12,707.34	.....	.....	.....
Beachville.....	141,288.00	13,696.49	.....	154,984.49	2,119.65	84.79	22.32
Beamsville.....	54,598.22	7,488.29	.....	62,086.51	.....	.....	.....
Beaverton.....	68,533.80	6,885.84	.....	75,419.64	.....	.....	.....
Beeton.....	45,333.75	3,417.36	.....	48,751.11	.....	.....	.....
Belle River.....	45,149.38	4,267.68	.....	49,417.06	.....	.....	.....
Belleville.....	867,784.96	91,998.47	.....	959,783.43	.....	.....	.....
Blenheim.....	130,262.49	10,269.91	.....	140,532.40	830.96	33.24	8.75
Bloomfield.....	26,694.84	2,619.07	.....	29,313.91	.....	.....	.....
Blyth.....	39,382.67	3,803.98	.....	43,186.65	.....	.....	.....
Bobcaygeon.....	15,132.35	3,028.07	.....	18,160.42	.....	.....	.....
Bolton.....	58,204.12	5,352.50	31.57	63,588.19	869.90	34.80	9.16
Bothwell.....	50,045.88	3,513.29	.....	53,559.17	467.24	18.69	4.92
Bowmanville.....	331,251.86	33,418.46	142.34	364,812.66	.....	.....	.....
Bracebridge.....	781.15	718.57	.....	1,499.72	.....	.....	.....
Bradford.....	74,431.95	8,356.50	.....	82,788.45	.....	.....	.....
Braeside.....	11,030.94	1,756.21	.....	12,787.15	.....	.....	.....
Brampton.....	604,586.10	54,308.21	.....	658,894.31	69,786.32	2,791.45	734.85

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1957

(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Brantford	3,465,083.36	287,662.99	373.09	3,753,119.44	27,524.22	1,100.97	289.83
Brantford Twp.	20,130.68	16,402.24	47,820.14	84,353.06			
Brechin	19,803.46	1,323.97		21,127.43			
Bridgeport	33,463.66	3,835.99	179.80	37,479.45			
Brigden	34,354.55	2,235.68		36,590.23			
Brighton	63,689.19	7,229.20		70,918.39			
Brockville	760,270.82	78,988.80		839,259.62			
Bronte	12,501.70	3,761.58		16,263.28			
Brussels	48,366.98	4,277.06	5.17	52,649.21			
Burford	51,582.89	4,655.25	48.93	56,287.07	360.87	14.43	3.80
Burgessville	17,532.04	1,354.40		18,886.44	81.67	3.27	.86
Burk's Falls	8,244.48	2,128.52		10,373.00			
Burlington	139,356.65	29,756.75		169,113.40			
Caledonia	78,711.83	6,542.44		85,254.27	567.90	22.72	5.98
Campbellville	10,885.72	951.37		11,837.09	358.02	14.32	3.77
Cannington	52,448.64	4,672.18		57,120.82			
Cardinal	40,935.32	5,188.31		46,123.63			
Carleton Place	285,023.41	23,972.35		308,995.76			
Casselman	5,943.36	2,441.67		8,385.03			
Cayuga	35,203.33	2,798.36		38,001.69			
Chalk River		1,261.42	2,030.52	3,291.94			
Chatham	1,397,960.90	113,283.71		1,511,244.61	8,466.29	338.65	89.15
Chatsworth	19,016.42	1,767.41		20,783.83			
Chesley	121,476.87	9,419.34		130,896.21			
Chesterville	88,006.94	8,221.43		96,228.37			
Chippawa	60,276.75	5,966.56		66,243.31			
Clifford	27,787.52	2,335.82		30,123.34			
Clinton	165,849.28	13,950.44		179,799.72	1,115.86	44.63	11.75
Cobden	18,832.54	2,589.54		21,422.08			
Cobourg	325,608.05	44,677.98		370,286.03			
Colborne	32,652.45	4,331.71		36,984.16			
Coldwater	42,993.37	3,187.30		46,180.67	2,159.54	86.38	22.74
Collingwood	474,552.44	38,207.07		512,759.51	82,708.45	3,308.34	870.92
Comber	51,401.25	3,164.92		54,566.17	217.47	8.70	2.29
Cookstown	20,710.58	2,150.38		22,860.96			
Cottam	18,070.71	1,525.94		19,596.65			
Courtright	18,061.81	1,309.10		19,370.91			
Creemore	38,846.17	3,252.34		42,098.51	2,684.71	107.39	28.27
Dashwood	28,686.77	2,151.57		30,838.34	68.38	2.74	.72
Delaware	14,541.31	1,427.38		15,968.69	89.27	3.57	.94

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Delhi.....	70,514.57	10,980.87	.....	81,495.44	.....	.....	.....
Deseronto.....	42,762.27	5,242.97	.....	48,005.24	.....	.....	.....
Dorchester.....	26,721.32	2,339.52	.....	29,060.84	169.99	6.80	1.79
Drayton.....	40,178.17	2,869.40	.....	43,047.57	.....	.....	.....
Dresden.....	110,993.85	8,733.24	.....	119,727.09	726.50	29.06	7.65
Drumbo.....	23,049.60	1,815.07	.....	24,864.67	159.54	6.38	1.68
Dublin.....	17,495.47	1,487.37	.....	18,982.84	5.70	.23	.06
Dundalk.....	46,071.50	3,849.08	.....	49,920.58	.....	.....	.....
Dundas.....	482,974.80	39,715.26	.....	522,690.06	60,215.57	2,408.62	634.07
Dunnville.....	245,833.30	23,456.23	.....	269,289.53	.....	.....	.....
Durham.....	101,644.35	9,556.92	.....	111,201.27	.....	.....	.....
Dutton.....	59,004.84	4,024.38	.....	63,029.22	470.09	18.80	4.95
East York Twp.....	1,545,199.38	186,702.64	.....	1,731,902.02	.....	.....	.....
Eganville.....	3,426.76	1,565.85	.....	4,992.61	.....	.....	.....
Elmira.....	269,397.36	23,474.14	.....	292,871.50	1,315.29	52.61	13.85
Elmvale.....	48,452.25	3,882.10	.....	52,334.35	3,480.53	139.22	36.65
Elmwood.....	16,263.81	1,372.86	.....	17,636.67	.....	.....	.....
Elora.....	114,758.61	7,748.63	.....	122,507.24	1,234.57	49.38	13.00
Embro.....	36,497.36	2,828.74	.....	39,326.10	275.40	11.02	2.90
Erieau.....	29,750.13	2,708.13	.....	32,458.26	.....	.....	.....
Erie Beach.....	5,608.61	438.64	.....	6,047.25	.....	.....	.....
Erin.....	8,143.64	2,155.23	.....	10,298.87	.....	.....	.....
Essex.....	122,478.41	10,593.29	.....	133,071.70	.....	.....	.....
Etobicoke Twp.....	1,905,271.50	385,761.63	.....	2,291,033.13	251.66	10.07	2.65
Exeter.....	160,033.94	14,000.22	.....	174,034.16	1,076.92	43.08	11.34
Fergus.....	246,937.35	22,427.35	.....	269,364.70	1,121.56	44.86	11.81
Finch.....	17,988.77	1,525.84	.....	19,514.61	.....	.....	.....
Flesherton.....	22,181.79	2,012.53	.....	24,194.32	.....	.....	.....
Fonthill.....	39,007.50	5,602.09	.....	44,609.59	.....	.....	.....
Forest.....	124,395.72	10,434.67	.....	134,830.39	418.80	16.75	4.41
Forest Hill.....	818,042.24	79,449.83	.....	897,492.07	.....	.....	.....
Frankford.....	11,409.87	2,551.66	.....	13,961.53	.....	.....	.....
Galt.....	1,891,297.36	143,176.06	215.33	2,034,688.75	194,833.81	7,793.35	2,051.60
Georgetown.....	385,044.07	36,218.89	6.27	421,269.23	3,841.41	153.66	40.45
Glencoe.....	63,113.53	4,552.15	.....	67,665.68	.....	.....	.....
Goderich.....	413,775.82	34,344.78	.....	448,120.60	2,503.32	100.13	26.36
Grand Bend.....	16,026.52	3,446.09	.....	19,472.61	17.09	.68	.18
Grand Valley.....	42,371.64	3,555.16	.....	45,926.80	.....	.....	.....
Granton.....	22,157.73	1,311.41	.....	23,469.14	134.85	5.39	1.42
Gravenhurst.....	149,947.53	15,972.51	.....	165,920.04	.....	.....	.....

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1957

(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Grimsby	75,923.77	12,628.77	455.64	89,008.18	.....	.....	.....
Guelph	2,213,233.21	179,435.74	.....	2,392,668.95	191,741.69	7,669.67	2,019.04
Hagersville	230,534.57	16,567.59	.....	247,102.16	1,077.87	43.11	11.35
Hamilton	19,560,348.41	1,812,464.92	112.46	21,372,925.79	475,708.46	19,028.34	5,009.21
Hanover	279,874.23	23,663.57	.....	303,537.80	.....	.....	.....
Harriston	117,331.21	9,285.95	.....	126,617.15	744.54	29.78	7.84
Harrow	105,576.69	9,024.12	.....	114,600.81	.....	.....	.....
Hastings	20,528.02	2,356.55	.....	22,884.57	.....	.....	.....
Havelock	41,272.25	3,378.25	.....	44,650.50	.....	.....	.....
Hawkesbury	16,808.80	8,962.84	.....	25,771.64	.....	.....	.....
Hensall	58,691.47	5,319.45	.....	64,010.92	281.10	11.24	2.96
Hespeler	443,233.11	37,345.59	521.33	481,100.03	33,290.60	1,331.62	350.55
Highgate	28,442.14	1,939.00	.....	30,381.14	172.84	6.91	1.82
Holstein	8,746.78	722.93	.....	9,469.71	.....	.....	.....
Huntsville	225,446.33	20,391.26	.....	245,837.59	.....	.....	.....
Ingersoll	597,519.47	38,870.64	.....	636,390.11	88,399.81	3,535.99	930.85
Iroquois	25,649.42	4,068.27	.....	29,717.69	.....	.....	.....
Jarvis	46,469.08	3,202.33	.....	49,671.41	.....	.....	.....
Kemptville	84,992.06	8,876.80	.....	93,868.86	.....	.....	.....
Kincardine	162,687.02	14,751.66	.....	177,438.68	.....	.....	.....
Kingston	1,252,423.72	177,647.91	.....	1,430,071.63	.....	.....	.....
Kingsville	147,273.16	11,847.24	.....	159,120.40	.....	.....	.....
Kirkfield	9,843.25	745.54	.....	10,588.79	.....	.....	.....
Kitchener	4,571,741.97	361,137.29	235.00	4,933,114.26	322,702.75	12,908.11	3,398.06
Lakefield	68,527.20	6,593.48	.....	75,120.68	.....	.....	.....
Lambeth	41,130.71	4,640.87	.....	45,771.58	188.98	7.56	1.99
Lanark	23,276.17	2,093.50	.....	25,369.67	.....	.....	.....
Lancaster	18,824.71	1,628.06	.....	20,452.77	.....	.....	.....
La Salle	64,737.83	7,004.61	.....	71,742.44	.....	.....	.....
Leamington	368,662.56	34,399.59	.....	403,062.15	.....	.....	.....
Lindsay	469,482.26	46,818.73	.....	516,300.99	.....	.....	.....
Listowel	276,956.98	21,648.09	.....	298,605.07	1,659.07	66.36	17.47
London	7,533,991.67	495,487.96	.....	8,029,479.63	745,751.20	29,830.05	7,852.76
London Twp.	94,560.13	9,477.19	.....	104,037.32	.....	.....	.....
Long Branch	222,162.98	33,183.76	.....	255,346.74	.....	.....	.....
L'Orignal	3,209.31	1,224.39	.....	4,433.70	.....	.....	.....
Lucan	58,720.59	4,546.57	.....	63,267.16	883.19	35.33	9.30
Lucknow	71,936.69	5,240.29	.....	77,176.98	.....	.....	.....
Lynden	36,586.87	2,423.94	18.11	39,028.92	949.67	37.99	10.00
Madoc	44,002.04	4,937.72	.....	48,939.76	.....	.....	.....

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Magnetawan.....	1,558.28	417.57	.....	1,975.85	.....	.....	.....
Markdale.....	39,536.61	3,968.08	.....	43,504.69	.....	.....	.....
Markham.....	82,684.63	11,172.13	.....	93,856.76	.....	.....	.....
Marmora.....	29,408.17	3,928.10	.....	33,336.27	.....	.....	.....
Martintown.....	8,298.34	885.49	.....	9,183.83	.....	.....	.....
Maxville.....	32,365.13	2,957.20	.....	35,322.33	.....	.....	.....
Meaford.....	141,471.12	15,192.62	.....	156,663.74	.....	.....	.....
Merlin.....	33,648.46	2,393.20	.....	36,041.66	.....	.....	.....
Merrickville.....	8,526.52	1,947.01	.....	10,473.53	.....	.....	.....
Merritton.....	936,185.63	99,655.73	.....	1,035,841.36	.....	.....	.....
Midland.....	699,835.04	48,532.10	.....	748,367.14	57,782.26	2,311.30	608.45
Mildmay.....	21,843.48	2,565.01	.....	24,408.49	.....	.....	.....
Millbrook.....	14,561.65	2,121.92	.....	16,683.57	.....	.....	.....
Milton.....	325,735.55	28,903.13	.....	354,638.68	4,542.26	181.69	47.83
Milverton.....	123,502.34	8,443.02	.....	131,945.36	1,134.85	45.39	11.95
Mimico.....	502,829.45	47,442.02	.....	550,271.47	2,035.14	81.41	21.43
Mitchell.....	152,670.67	10,538.72	.....	163,209.39	30,929.72	1,237.19	325.69
Moorefield.....	19,927.34	1,514.54	.....	21,441.88	.....	.....	.....
Morrisburg.....	40,059.97	6,454.64	.....	46,514.61	.....	.....	.....
Mount Brydges.....	25,643.56	2,234.16	.....	27,877.72	261.16	10.45	2.75
Mount Forest.....	122,814.60	11,239.43	.....	134,054.03	.....	.....	.....
Napanee.....	197,586.34	21,312.96	.....	218,899.30	.....	.....	.....
Neustadt.....	20,209.08	1,805.23	.....	22,014.31	.....	.....	.....
Newboro.....	1,967.06	380.44	.....	2,347.50	.....	.....	.....
Newburgh.....	4,598.03	1,116.19	.....	5,714.22	.....	.....	.....
Newbury.....	13,685.46	1,006.32	.....	14,691.78	.....	.....	.....
Newcastle.....	28,156.77	4,043.15	.....	32,199.92	.....	.....	.....
New Hamburg.....	152,483.96	9,556.82	.....	162,040.78	30,048.43	1,201.94	316.41
Newmarket.....	130,905.45	24,725.14	.....	155,630.59	.....	.....	.....
New Toronto.....	1,657,749.80	140,815.45	.....	1,798,565.25	8,527.07	341.08	89.79
Niagara.....	123,135.50	11,945.77	.....	135,081.27	.....	.....	.....
Niagara Falls.....	1,725,600.80	130,730.57	.....	1,856,331.37	23,792.02	951.68	250.53
North York Twp.....	2,358,146.18	530,137.46	.....	2,888,283.64	.....	.....	.....
Norwich.....	111,474.32	8,331.98	.....	119,806.30	2,128.21	85.13	22.41
Norwood.....	29,515.79	3,239.08	.....	32,754.87	.....	.....	.....
Oakville.....	156,621.41	39,006.52	.....	195,627.93	.....	.....	.....
Oil Springs.....	63,301.60	3,553.50	.....	66,855.10	.....	.....	.....
Omeme.....	16,472.92	2,231.29	.....	18,704.21	.....	.....	.....
Orangeville.....	173,266.37	17,780.94	.....	191,047.31	.....	.....	.....
Orillia.....	41,417.28	17,836.18	.....	59,253.46	.....	.....	.....
Orono.....	13,214.79	2,058.63	.....	15,273.42	.....	.....	.....
Oshawa.....	2,595,107.87	302,168.95	.....	2,897,276.82	.....	.....	.....
Ottawa.....	2,849,194.04	571,654.15	.....	3,420,848.19	432.10	45.81	12.06
Otterville.....	29,961.40	2,541.00	.....	32,502.40	140.55	5.62	1.48
Owen Sound.....	876,479.55	77,342.10	.....	953,821.65	.....	.....	.....

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1957

(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Paisley.....	38,147.85	3,158.35		41,306.20			
Palmerston.....	135,273.32	9,587.21	868.66	145,729.19	1,003.80	40.15	10.57
Paris.....	352,063.77	26,771.22		378,834.99	3,935.42	157.42	41.44
Parkhill.....	66,816.97	5,480.46		72,297.43			
Parry Sound.....	32,664.51	7,457.02		40,121.53			
Penetanguishene.....	211,120.61	12,409.28		223,529.89	93,392.21	3,735.69	983.42
Perth.....	266,896.22	24,388.42		291,284.64			
Peterborough.....	1,734,535.21	199,605.66		1,934,140.87			
Petrolia.....	287,151.25	18,317.32		305,468.57	2,814.81	112.59	29.64
Pictou.....	226,399.80	22,525.61		248,925.41			
Plattsville.....	36,381.99	3,588.65		39,970.64	365.62	14.62	3.85
Point Edward.....	268,528.14	23,367.08		291,895.22	404.56	16.18	4.26
Port Burwell.....	6,319.05	1,125.58		7,444.63	104.46	.29	1.10
Port Colborne.....	428,099.58	38,218.85		466,318.43			
Port Credit.....	197,343.54	35,097.76		232,441.30	688.51	27.54	7.25
Port Dalhousie.....	140,247.69	11,680.92		151,928.61			
Port Dover.....	106,155.37	11,194.32		117,349.69			
Port Elgin.....	73,672.35	8,028.89		81,701.24			
Port Hope.....	357,176.83	43,971.37	75.09	401,223.29			
Port McNicoll.....	42,465.50	5,583.61		48,049.11	1,314.34	52.57	13.84
Port Perry.....	70,775.30	7,305.87		78,081.17			
Port Rowan.....	25,263.96	2,062.07		27,326.03			
Port Stanley.....	136,803.62	10,107.45	39.65	146,950.72	1,230.77	49.23	12.96
Prescott.....	198,343.21	20,309.48		218,652.69			
Preston.....	804,034.04	58,147.51		862,181.55	84,638.19	3,385.53	891.24
Priceville.....	3,367.42	323.21		3,690.63			
Princeton.....	30,990.91	2,178.69		33,169.60	115.86	4.63	1.22
Queenston.....	23,786.12	2,100.15		25,886.27			
Renfrew.....	75,035.22	15,326.22		90,361.44			
Richmond.....	16,338.47	1,971.59		18,310.06			
Richmond Hill.....	119,742.39	28,829.10		148,571.49			
Ridgetown.....	133,340.64	10,233.98		143,574.62	987.65	39.51	10.40
Ripley.....	27,548.48	2,292.21		29,840.69			
Riverside.....	321,303.70	32,841.33		354,145.03			
Rockland.....	6,651.34	2,951.93		9,603.27			
Rockwood.....	36,667.56	3,077.94		39,745.50	174.74	6.99	1.84
Rodney.....	44,593.38	3,700.86		48,294.24	218.42	8.74	2.30
Rosseau.....	12,276.55	793.59		13,070.14			
Russell.....	19,304.09	1,620.41		20,924.50			
St. Catharines.....	2,818,962.04	269,136.91		3,088,098.95			
St. Clair Beach.....	25,666.97	3,028.99		28,695.96			
St. George.....	43,142.18	3,266.45		46,408.63	383.67	15.35	4.04
St. Jacobs.....	55,498.84	4,163.24		59,662.08	138.65	5.55	1.46
St. Mary's.....	387,052.45	22,760.71		409,813.16	65,680.91	2,627.24	691.62
St. Thomas.....	1,508,236.08	97,343.78		1,605,579.86	222,661.92	8,906.48	2,344.63

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Sandwich East Twp.....	6,002.00	21,686.10	42,152.60	69,840.70	.....	.....	.....
Sandwich West Twp.....	66,025.40	33,434.08	2,259.46	101,718.94	.....	.....	.....
Sarnia.....	2,311,925.94	234,027.41	.....	2,545,953.35	8,779.68	351.19	92.45
Scarborough Twp.....	1,793,157.81	434,419.95	.....	2,227,577.76	.....	.....	.....
Seaforth.....	188,753.50	8,157.53	.....	196,911.03	95,555.56	3,822.22	1,006.20
Shelburne.....	68,765.68	6,581.98	437.58	75,785.24	.....	.....	.....
Simcoe.....	416,122.17	38,414.76	.....	454,536.93	1,307.69	52.31	13.77
Smith's Falls.....	414,665.60	40,043.83	.....	454,709.43	.....	.....	.....
Smithville.....	23,487.87	2,983.02	.....	26,470.89	.....	.....	.....
Southampton.....	70,801.68	7,323.43	.....	78,125.11	.....	.....	.....
Springfield.....	26,026.15	1,858.98	.....	27,885.13	59.83	2.39	.63
Stamford Twp.....	481,642.09	71,818.02	.....	553,460.11	4,173.79	166.95	43.95
Stayner.....	62,465.14	6,070.26	.....	68,535.40	3,147.20	125.89	33.14
Stirling.....	42,998.94	4,476.32	.....	47,475.26	.....	.....	.....
Stoney Creek.....	44,356.80	13,353.32	.....	57,710.12	.....	.....	.....
Stouffville.....	78,155.06	9,479.03	.....	87,634.09	.....	.....	.....
Stratford.....	1,718,557.86	112,106.07	.....	1,830,663.93	200,592.59	8,023.70	2,112.24
Strathroy.....	289,505.35	22,793.68	.....	312,299.03	2,370.37	94.81	24.96
Streetsville.....	50,535.13	11,173.67	.....	61,708.80	.....	.....	.....
Sunderland.....	32,717.70	2,760.18	.....	35,477.88	.....	.....	.....
Sundridge.....	4,064.31	1,441.37	.....	5,505.68	.....	.....	.....
Sutton.....	69,675.61	6,819.93	.....	76,495.54	.....	.....	.....
Swansea.....	366,244.48	34,797.53	.....	401,042.01	.....	.....	.....
Tara.....	29,256.29	2,310.49	.....	31,566.78	.....	.....	.....
Tavistock.....	137,906.10	8,731.35	.....	146,637.45	599.24	23.97	6.31
Tecumseh.....	99,877.41	8,564.54	.....	108,441.95	.....	.....	.....
Teeswater.....	43,485.75	3,854.50	.....	47,340.25	.....	.....	.....
Thamesford.....	55,151.08	4,377.75	.....	59,528.83	277.30	11.09	2.92
Thamesville.....	59,460.11	5,116.09	.....	64,576.20	447.29	17.89	4.71
Thedford.....	34,329.30	2,843.07	.....	37,172.37	.....	.....	.....
Thornbury.....	13,450.24	3,017.04	.....	16,467.28	.....	.....	.....
Thorndale.....	26,573.70	1,916.56	.....	28,490.26	169.04	6.76	1.78
Thornton.....	10,622.88	858.90	.....	11,481.78	.....	.....	.....
Thorold.....	453,916.90	58,829.76	.....	512,746.66	.....	.....	.....
Tilbury.....	180,810.18	13,166.89	.....	193,977.07	661.92	26.48	6.97
Tillsonburg.....	307,391.07	23,812.58	.....	331,203.65	61,598.29	2,463.93	648.63
Toronto.....	59,495,986.75	4,399,797.45	.....	63,895,784.20	2,359,882.25	94,395.29	24,849.56
Toronto Twp.....	843,931.82	199,021.06	.....	1,042,952.88	1,139.60	45.58	12.00
Tottenham.....	34,879.46	2,824.44	.....	37,703.90	.....	.....	.....
Trafalgar Twp.....	120,244.98	34,783.96	.....	155,028.94	.....	.....	.....
Trenton.....	502,525.98	73,677.34	.....	576,203.32	.....	.....	.....
Tweed.....	53,360.48	5,567.96	.....	58,928.44	.....	.....	.....
Uxbridge.....	79,473.09	8,786.83	.....	88,259.92	.....	.....	.....
Vankleek Hill.....	4,872.14	1,993.86	.....	6,866.00	.....	.....	.....
Victoria Harbour.....	22,388.11	1,927.79	.....	24,315.90	1,721.75	68.87	18.13

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1957

(concluded)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Walkerton.....	122,657.40	14,210.44		136,867.84			
Wallaceburg.....	753,970.36	59,719.66		813,690.02	3,513.77	140.55	37.00
Wardsville.....	13,774.15	1,150.27		14,924.42			
Warkworth.....	16,235.54	1,506.45		17,741.99			
Wasaga Beach.....	7,633.02	2,992.90		10,625.92			
Waterdown.....	71,087.45	5,867.42		76,954.87	13,000.00	520.00	136.89
Waterford.....	99,466.71	7,350.36		106,817.07	1,056.98	42.28	11.13
Waterloo.....	960,315.83	81,738.71		1,042,054.54	75,921.18	3,036.85	799.45
Watford.....	86,623.96	7,460.34		94,084.30	72.17	2.89	.76
Waubashene.....	19,056.55	1,837.04		20,893.59	1,241.22	49.65	13.07
Welland.....	1,183,353.31	96,100.97		1,279,454.28	39,571.70	1,582.87	416.69
Wellesley.....	45,772.49	3,275.81		49,048.30	826.21	33.05	8.70
Wellington.....	42,590.14	4,082.80		46,672.94			
West Lorne.....	89,479.99	7,846.46		97,326.45	225.07	9.00	2.37
Weston.....	797,840.47	60,325.54		858,166.01	61,514.72	2,460.59	647.75
Westport.....	22,759.44	2,125.82		24,885.26			
Wheatley.....	56,395.52	5,266.10		61,661.62			
Whitby.....	253,351.40	40,222.67		293,574.07			
Wiaraton.....	70,686.63	7,356.62		78,043.25			
Williamsburg.....	20,348.24	1,714.90		22,063.14			
Winchester.....	74,251.30	7,372.57		81,623.87			
Windsor.....	10,509.02	848.54		11,357.56			
Windsor.....	9,645,695.12	678,736.14		10,324,431.26	42,732.19	1,709.29	449.97
Wingham.....	148,636.78	13,417.32		162,054.10			
Woodbridge.....	137,462.03	13,922.00		151,384.03	864.20	34.57	9.10
Woodstock.....	1,378,171.06	110,205.84		1,488,376.90	97,533.71	3,901.35	1,027.03
Woodville.....	28,037.99	2,037.60		30,075.59			
Wyoming.....	29,293.98	2,648.09		31,942.07	286.80	11.47	3.02
York Twp.....	3,104,939.42	330,646.85		3,435,586.27			
Zurich.....	41,546.94	3,139.09		44,686.03	34.19	1.37	.36
Total—Municipalities....	181,775,308.98	16,766,293.88	98,745.64	198,640,348.50	6,091,101.34	243,668.69	64,146.81
Rural Power District....	29,148,373.36	3,922,579.91	98,745.64	32,972,207.63			
Administrative and service buildings and equipment	2,712,183.45	272,165.32		2,984,348.77	581,470.00	41,202.45	10,846.55
Grand Total.....	213,635,865.79	20,961,039.11 (See note)		234,596,904.90	6,672,571.34	284,871.14	74,993.36

NOTE: The net provision and interest credited during the year consist of the following amounts shown in the statement of sinking fund reserve:

Interest.....	\$ 8,545,436.61
Provision—direct.....	12,559,742.00
—indirect.....	215,725.00
	\$21,320,903.61
Less credits resulting from matured sinking funds.....	359,864.50
	\$20,961,039.11

NORTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	In		
	Changes		
	Balance at January 1, 1957	Placed in service	Equipment relocated and reclassified
Power System	\$	\$	\$
GENERATING STATIONS			
NORTHEASTERN DIVISION			
Abitibi River			
Abitibi Canyon.....	19,219,996	64,667	.....
Mississagi River			
George W. Rayner.....	18,456,865	34,688	3,754
Other properties.....	22,501,295	174,281	68,816
	60,178,156	273,636	65,062
NORTHWESTERN DIVISION			
Nipigon River			
Pine Portage.....	31,899,247	74,000	.....
Cameron Falls.....	10,494,771	1,677	.....
Alexander.....	7,725,406	125,500	.....
Aguasabon River			
Aguasabon.....	12,642,968	22,230	.....
English River			
Caribou Falls.....	.....	.....	.....
Manitou Falls.....	13,714,473	40,632	62,614
Winnipeg River			
Whitedog Falls.....	.....	.....	.....
Kaministiquia River			
Silver Falls.....	.....	.....	.....
Other properties.....	10,387,138	914,273	42,868
	86,864,003	1,097,048	105,482
Total generating stations.....	147,042,159	1,370,684	170,544
TRANSFORMER STATIONS			
Northeastern Division.....	16,345,726	2,211,911	71,301
Northwestern Division.....	7,380,487	315,898	12,330
Total transformer stations.....	23,726,213	2,527,809	58,971
TRANSMISSION LINES			
Northeastern Division.....	23,021,790	3,960,432	68,403
Northwestern Division.....	23,998,345	3,694,875	.....
Total transmission lines.....	47,020,135	7,655,307	68,403
LOCAL SYSTEMS			
Northeastern Division.....	2,929,337	152,666	63,195
Northwestern Division.....	495,395	25,966	4,873
Total local systems.....	3,424,732	178,632	68,068
COMMUNICATIONS.....	3,439,737	113,388	108,539
Total power system.....	224,652,976	11,845,820	3,369

PROPERTIES

ASSETS

Year 1957 and Balances at December 31, 1957

service		Under construction at December 31, 1957	Total fixed assets at December 31, 1957	Expenditures during 1957
during year	Balance at December 31, 1957			
Sales and retirements				
\$	\$	\$	\$	\$
24,084	19,260,579	212,818	19,473,397	240,283
.....	18,495,307	17,689	18,512,996	28,462
26,780	22,579,980	493,883	23,073,863	567,312
50,864	60,335,866	724,390	61,060,256	836,057
3,665	31,969,582	2,171	31,971,753	29,077
315	10,496,133	3,044,026	13,540,159	2,401,194
120,000	7,730,906	3,079,343	10,810,249	2,258,294
.....	12,665,198	6,685	12,671,883	18,511
.....	.....	16,304,052	16,304,052	13,081,630
.....	13,611,227	1,336,329	14,947,556	1,065,196
.....	.....	18,913,928	18,913,928	7,588,981
.....	.....	4,729,810	4,729,810	4,553,710
449,097	10,809,446	617,631	11,427,077	1,285,441
573,077	87,282,492	48,033,975	135,316,467	32,282,034
623,941	147,618,358	48,758,365	196,376,723	33,118,091
272,889	18,356,049	2,003,987	20,360,036	3,470,979
25,498	7,658,557	701,188	8,359,745	914,706
298,387	26,014,606	2,705,175	28,719,781	4,385,685
186,912	26,726,907	3,793,572	30,520,479	6,713,627
70,936	27,622,284	1,132,343	28,754,627	4,160,850
257,848	54,349,191	4,925,915	59,275,106	10,874,477
6,223	3,138,975	101,176	3,240,151	157,037
4,328	521,906	5,171	527,077	24,512
10,551	3,660,881	106,347	3,767,228	181,549
71,150	3,590,514	254,250	3,844,764	261,121
1,261,877	235,233,550	56,750,052	291,983,602	48,820,923

NORTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	In		
	Balance at January 1, 1957	Changes	
		Placed in service	Equipment relocated and reclassified
Administrative and Service Buildings and Equipment	\$	\$	\$
BUILDINGS	1,262,494	307,953	2,634
OFFICE AND SERVICE EQUIPMENT	587,229	68,216	.....
Total administrative and service buildings and equipment	1,849,723	376,169	2,634
Rural Power District	30,404,255	2,618,020	735
Total fixed assets	256,906,954	14,840,009	.....

Changes in Assets Under Construction During 1957

Under construction at January 1, 1957	\$ 20,139,860
Expenditures during 1957	52,010,060
	\$ 72,149,920
Less—Placed in service during 1957	14,840,009
Under construction at December 31, 1957	\$ 57,309,911

PROPERTIES

ASSETS

Year 1957 and Balances at December 31, 1957

service				
during year				
Sales and retirements	Balance at December 31, 1957	Under construction at December 31, 1957	Total fixed assets at December 31, 1957	Expenditures during 1957
\$	\$	\$	\$	\$
..... 31,879	1,573,081 623,566	183,597	1,756,678 623,566	326,189 68,216
31,879	2,196,647	183,597	2,380,244	394,405
129,056	32,893,954	376,262	33,270,216	2,794,732
1,422,812	270,324,151	57,309,911	327,634,062	52,010,060

Summary of Sales and Retirements During 1957

Charged to operations.....	\$ 19,871
Charged to reserve for stabilization of rates and contingencies.....	323,681
Charged to accumulated depreciation.....	739,015
Proceeds from sales.....	340,245
	<u>\$ 1,422,812</u>

NORTHERN ONTARIO

Accumulated Depreciation, December 31, 1957

	Power System	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balances at January 1, 1957..	29,844,561	3,476,765	373,763	33,695,089
Add:				
Interest at 3% per annum on accumulated depreciation required on plant not fully depreciated.....	779,763	96,280	6,284	882,327
Provision in the year				
—direct (Note).....	2,010,900	939,832	.....	2,950,732
—indirect.....	.....	.....	69,250	69,250
Salvage recoveries less removal costs of assets retired.....	116,556	29,243	.....	87,313
Adjustments re transfer of equipment.....	12,496	12,476	20	.....
	32,506,172	4,554,596	449,317	37,510,085
Deduct:				
Cost of fixed assets retired less proceeds from sales..	602,396	122,249	14,370	739,015
Balances at December 31, 1957	31,903,776	4,432,347	434,947	36,771,070

NOTE—The provision in the year includes an additional 1% provision amounting to \$316,164 for the Rural Power District, and \$26,838 for the Power System (local distribution systems) on fixed assets in service.

Exchange Discount and Premium on Funded Debt, December 31, 1957

	Discount	Premium
	\$	\$
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1957.....	189,205	183,205
Add prior year adjustment.....	7,271	.....
Less premium on bonds redeemed during 1957.....	.....	6,106
Balances at December 31, 1957.....	196,476	177,099

Frequency Standardization Account, December 31, 1957

Balance at credit at January 1, 1957.....	\$ 280,525
Interest for the year on reserve balance.....	14,225
Frequency standardization provision charged to cost of power for the year.....	336,933
	\$ 631,683
Less expenditure for frequency standardization work during year.....	347,973
Balance at credit at December 31, 1957.....	\$ 283,710

PROPERTIES

Reserve for Stabilization of Rates and Contingencies, December 31, 1957

	Power System	Rural Power District	Total
Balances at January 1, 1957.....	\$ 15,525,654	\$ 288,093	\$ 15,813,747
Add:			
Interest for year on reserve balances (Note 1)	504,584	9,363	513,947
Provision in the year.....	2,242,142	.....	2,242,142
Profit on redemption of funded debt and sale of investments, net.....	179,646	.....	179,646
Deduct:			
Write-off of undepreciated capital of Virgin Falls dam.....	18,452,026	297,456	18,749,482
	323,681	.....	323,681
Balances at December 31, 1957 (Note 2)	18,128,345	297,456	18,425,801

NOTE 1—Interest for the year on the reserve balances was credited at 3.25%, which approximated the actual earnings on the investments held for these reserves.

NOTE 2—The balance of \$18,128,345 at the credit of the Power System reserve at December 31, 1957 includes a amount of \$2,304,368 held specifically for the benefit of those municipalities which were supplied with power at cost in the former Thunder Bay System at January 1, 1952, the date on which that system was merged with the Northern Ontario Properties.

Sinking Fund Reserve, December 31, 1957

	Province of Ontario			Municipalities supplied with power at cost	
	40-year basis	Prepaid sinking funds	Total	40-year basis	Total
Balances at January 1, 1957.....	\$ 25,438,602	\$ 13,440,028	\$ 38,878,630	\$ 10,929,431	\$ 49,808,061
Add:					
Interest at 4% per annum on reserve balances.....	1,017,545	537,601	1,555,146	437,177	1,992,323
Provision in the year					
—direct.....	2,351,196	.....	2,351,196	239,587	2,590,783
—indirect.....	15,785	.....	15,785	.....	15,785
	28,823,128	13,977,629	42,800,757	11,606,195	54,406,952
Deduct credits resulting from prepaid and matured sinking funds (see note):					
Interest.....	14,634	537,601	552,235	.....	552,235
Principal.....	3,853	164,605	168,458	.....	168,458
	18,487	702,206	720,693	.....	720,693
Balances at December 31, 1957.....	28,804,641	13,275,423	42,080,064	11,606,195	53,686,259

NOTE: The matured sinking funds at January 1, 1957 amounted to \$365,851.

NORTHERN ONTARIO

STATEMENT OF THE

for the Year

	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Provision for frequency standardization (Note 2)
	Average of monthly peak loads corrected for power factor	Energy		
	kw	'000 kwh	\$	\$
Municipalities supplied with power at cost:				
Atikokan Twp.	2,922.5	14,531.2	101,261.51	.....
Dryden	1,895.2	10,810.0	78,062.58	.....
Fort William	29,590.8	185,380.7	860,211.91	.....
Nipigon Twp.	1,117.4	5,984.8	29,220.25	.....
Port Arthur	35,228.3	176,081.9	940,951.25	.....
Red Rock	707.3	3,516.4	17,247.27	.....
Schreiber Twp.	898.1	4,670.4	22,572.79	.....
Terrace Bay	1,155.4	6,580.8	29,037.67	.....
Total—Municipalities ..	73,515.0	407,556.2	2,078,565.23	.....
Province of Ontario:				
Rural Power District ...	44,541.2	227,597.8	5,024,038.56	22,270.60
Other customers	629,324.4	4,202,811.0	21,811,794.80	314,662.20
Total—Province of Ontario	673,865.6	4,430,408.8	26,835,833.36	336,932.80
GRAND TOTAL	747,380.6	4,837,965.0	28,914,398.59	336,932.80

Notes on Cost of Power Statement

NORTHERN ONTARIO PROPERTIES

1. The total of \$28,914,398.59 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased	\$ 1,012,870
Interchange of power with Southern Ontario System	2,670,073
Operation, maintenance and administrative expenses	11,771,233
Interest	8,639,400
Depreciation	2,950,732
Sinking fund provision	2,590,783
Credit resulting from prepaid and matured sinking fund	720,693

\$28,914,398

The method used in 1956 of allocating the cost of power supplied to each customer was followed in 1957 with the exception of power supply costs which were allocated in 1957 on the basis of 50 per cent with reference to the quantity of energy supplied and 50 per cent with reference to average monthly peak loads. In 1956 these costs were allocated on the basis of 35 and 65 per cent respectively.

Interchange of power with the Southern Ontario System shown in the statement of operations as \$2,670,073 represents the cost of 761,023,000 kilowatt-hours of energy transferred from the Southern Ontario System less the cost of 1,139,000 kilowatt-hours of energy transferred to that system. In 1957 the cost was determined by allocating 50 per cent on the basis of energy and 50 per cent on an equivalent peak load, while in 1956 the cost was determined on the basis of energy only.

The credit of \$720,693 resulting from prepaid and matured sinking fund consists of a principal amount of \$168,458 and interest at 4 per cent amounting to \$552,235 applicable to prepaid and matured sinking funds aggregating \$13,805,879 at the beginning of the year.

PROPERTIES

COST OF POWER

Ended December 31, 1957

Provision for stabilization of rates and contingencies (Note 3)	Total cost of power and energy after reduction resulting from prepaid and matured sinking fund	Amount billed (municipalities at interim rates)	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
8,767.50	110,029.01	116,898.67	6,869.66	40.00	37.65
5,685.60	83,748.18	90,967.20	7,219.02	48.00	44.19
88,772.40	948,984.31	991,292.92	42,308.61	33.50	32.07
3,352.20	32,572.45	38,550.62	5,978.17	34.50	29.15
105,684.90	1,046,636.15	1,109,691.46	63,055.31	31.50	29.71
2,121.90	19,369.17	22,703.28	3,334.11	32.10	27.38
2,694.30	25,267.09	32,332.50	7,065.41	36.00	28.13
3,466.20	32,503.87	41,593.20	9,089.33	36.00	28.13
220,545.00	2,299,110.23	2,444,029.85	144,919.62	....	....
133,623.60	5,179,932.76	4,500,440.98	679,491.78	....	....
1,887,973.20	24,014,430.20	24,977,239.61	962,809.41	....	....
2,021,596.80	29,194,362.96	29,477,680.59	283,317.63	...	...
2,242,141.80	31,493,473.19	31,921,710.44	428,237.25	....	....

2. The provision for frequency standardization consists of a charge of 50 cents per kilowatt on the average monthly peak load supplied to all customers served on behalf of the Province of Ontario.

3. The provision for stabilization of rates and contingencies of \$2,242,141.80 consists of a charge of \$3 per kilowatt on the average monthly peak load supplied to all customers.

4. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. It does not include surplus or secondary power which is sold on a kilowatt-hour basis for export outside the Province and to customers in Ontario. These surplus kilowatt-hours are, however, included in the total energy supplied to companies, and the net revenue represented by this energy was as follows:

	<i>Paper companies</i>	<i>Other customers</i>	<i>Total</i>
Gross revenue	\$64,076.16	\$32,166.61	\$96,242.77
Less costs related thereto	45,709.67	1,570.64	47,280.31
Net revenue	\$18,366.49	\$30,595.97	\$48,962.46

The gross revenue is included in the amount of \$24,977,239 billed to other customers for the account of the Province of Ontario.

NORTHERN ONTARIO PROPERTIES
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957

Municipality	Net amount paid as part of cost of power by each municipality and other sinking funds provided out of revenues of the system and interest allowed		
	Balance at January 1, 1957	Net provision and interest credited during year	Balance at December 31, 1957
	\$	\$	\$
Atikokan Twp.....	9,249.01	11,542.51	20,791.52
Dryden.....	26,717.16	9,984.81	36,701.97
Fort William.....	3,693,295.59	247,619.57	3,940,915.16
Nipigon Twp.....	65,602.63	5,950.71	71,553.34
Port Arthur.....	7,035,001.47	389,817.28	7,424,818.75
Red Rock.....	22,882.56	2,699.63	25,582.19
Schreiber Twp.....	27,423.59	3,718.37	31,141.96
Terrace Bay.....	49,259.35	5,430.22	54,689.57
Total—Municipalities..	10,929,431.36	676,763.10	11,606,194.46
Province of Ontario.....	38,878,629.75	3,201,434.48	42,080,064.23
Grand Total	49,808,061.11	3,878,197.58 (See note)	53,686,258.69

NOTE: The net provision and interest credited during the year consist of the following amounts shown in the statement of the sinking fund reserve:

Interest.....	\$ 1,992,322.44
Provision—direct.....	2,590,783.00
—indirect.....	15,785.00
	\$ 4,598,890.44
Less credits resulting from prepaid and matured sinking funds..	720,692.86
	\$ 3,878,197.58

APPENDIX III—RURAL

POWER is delivered in wholesale quantities by the Commission to 104 rural operating areas in the Rural Power District. Within the areas, retail customers are supplied under the following five classes of service: farm, hamlet, commercial, summer, and industrial power. The description of these classes of service and the rates applicable to them at December 31, 1957 are included in this appendix.

Description of Main Classes of Service

Farm service means service rendered to a property used for the production of food or industrial crops. It provides for the electrical supply of all farm buildings and equipment located on a farm and used for farm purposes, including equipment required for processing the products of that farm. Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm and occupied by persons engaged in its operation. Additional dwellings or domestic establishments located on a farm property and occupied by persons otherwise engaged are classed as hamlet service. Small properties of five acres and less are classified as hamlet service unless special circumstances warrant a classification as farm service.

Hamlet service is provided to domestic establishments in a community served as part of a rural operating area, or to isolated residences in a rural area when these are not classified as farm service.

Commercial service applies to a wide variety of business or community establishments such as hotels, offices, stores, churches, schools, or small manufacturing and processing plants. Sign and display lighting is included.

Summer service is applicable to properties normally used only during the summer months.

Industrial power service is 3-phase service to such power users as creameries, cheese factories, and chopping mills. It includes industrial establishments and such other loads as cannot be supplied by commercial single-phase service.

Rural Rate Structure

Rural rates in effect throughout the Province are given in the accompanying table. They are quoted on a monthly basis, except for summer service, which is quoted on an annual basis. Each contract within each class of service has a rating and the energy used is billed on the basis of a three-step energy rate, the

bill being subject to a monthly minimum, or with respect to summer service, to an annual fixed charge. The number of kilowatt-hours billed at the first and second energy rates and the amount of the minimum monthly bill or the annual fixed charge depend on the contract rating. For all contracts with a demand rating (FD, HD, CD, SD, and Industrial Power) these aspects of the bill are based on measured demand and are subject to minima related to demands established in previous billing periods.

Rural Power District RATES AND TYPICAL BILLS FOR ELECTRICAL SERVICE as at December 31, 1957

Rates are quoted on a monthly basis for all services but summer service, which are quoted on an annual basis. All are subject to 10% prompt payment discount.

Class and service rating	No. of kwh in first block	No. of kwh in second block	Demand rate per kw	Energy rate per kwh for			Minimum monthly bill (gross)	Net monthly bill for		
				First block of kwh	Second block of kwh	All additional kwh		100 kwh	300 kwh	500 kwh
Farm			\$	¢	¢	¢	\$	\$	\$	\$
F35.....	60	180					2.25	3.37	7.45	10.15
F50.....	100	300					3.75	4.05	8.73	12.42
FD (Min. 10 kw)....	10*	30*					0.40*	.....	8.73†	12.42†
Hamlet										
H20.....	60	80					1.67	3.37	6.46	9.16
H35.....	60	180					2.25	3.37	7.45	10.15
H50.....	80	300					3.75	3.71	8.39	11.88
HD (Min. 10 kw)....	10*	30*					0.40*	.....	8.73†	12.42†
These rates are uniform										
Commercial										
C20.....	60	120					1.50	3.37	6.86	9.56
C35.....	90	180					2.25	3.88	8.26	10.96
C50.....	150	300					3.75	4.05	9.58	13.77
CD (Min. 10 kw)....	15*	30*					0.40*	.....	9.58†	13.77†
Service										
Summer §										
S20.....	150§	450§					16.67x	4.05§	9.58§	14.26§
S35.....	225§	675§					22.22x	4.05§	10.87§	15.55§
S50.....	375§	1,125§					25.00x	4.05§	12.15§	18.12§
SD (Min. 10 kw)....	40§*	120§*					2.50x*	.....	12.15§†	18.54§†
								Net monthly bill for use of 1 kw of demand		
								100 hours	200 hours	300 hours
Demand Group				4.5	2.6	1.5		\$	\$	\$
FD (Min. 10 kw)....	10*	30*					0.40*	1.92	3.27	4.62
HD " ".....	10*	30*					0.40*	1.92	3.27	4.62
CD " ".....	15*	30*					0.40*	2.05	3.40	4.75
SD " ".....	40§*	120§*					2.50x*	3.02§	4.97§	6.32§
Power										
1.....	50*	50*	1.35	2.3	1.5	0.33	.....	2.92	3.22	3.52
2.....	50*	50*	1.35	2.6	1.7	0.33	.....	3.15	3.45	3.74
3.....	50*	50*	1.35	2.8	1.8	0.33	.....	3.28	3.58	3.88
4.....	50*	50*	1.35	3.1	2.0	0.33	.....	3.51	3.81	4.10
5.....	50*	50*	1.35	3.4	2.2	0.33	.....	3.73	4.03	4.33
6.....	50*	50*	1.35	3.7	2.4	0.33	.....	3.96	4.26	4.55
7.....	50*	50*	1.35	4.0	2.6	0.33	.....	4.18	4.48	4.78
8.....	50*	50*	1.35	4.6	3.0	0.33	.....	4.63	4.93	5.23

*Per kw of demand.

x Gross annual fixed charge.

§On annual basis.

† Calculated on basis of minimum demand of 10 kw.

For farm, hamlet, commercial, and summer service the rate schedules are uniform throughout the Province. For industrial power service there are eight different schedules and these are numbered in the foregoing table. The alphabetical list of the 104 rural operating areas which follows indicates the number of the power service rate applicable to each area.

**Rural Operating Areas
and
Industrial Power Service Schedules in Effect**

Rural operating area	Schedule	Rural operating area	Schedule	Rural operating area	Schedule
Algoma.....	8	Geraldton.....	8	Penetanguishene...	5
Alliston.....	5	Guelph.....	4	Perth.....	4
Arnprior.....	4	Harrow.....	6	Peterborough.....	4
Aylmer.....	5	Huntsville.....	5	Picton.....	5
Bala.....	4	Ingersoll.....	4	Plantagenet.....	4
Bancroft.....	7	Kapuskasing.....	6	Port Arthur.....	5
Barrie.....	5	Kenora.....	8	Richmond Hill....	4
Beamsville.....	4	Kingston.....	4	Ridgetown.....	6
Belleville.....	4	Kingsville.....	5	St. Catharines....	5
Blenheim.....	5	Kirkland Lake....	6	St. Thomas.....	5
Bothwell.....	6	Kitchener.....	4	Sarnia.....	5
Bowmanville....	4	Lakefield.....	4	Shelburne.....	5
Bracebridge....	4	Lancaster.....	4	Simcoe.....	4
Brampton.....	4	Listowel.....	4	Sioux Lookout....	8
Brantford.....	4	London.....	4	Stayner.....	4
Brockville.....	4	Lucan.....	5	Stoney Creek.....	2
Burlington.....	4	Manitoulin.....	8	Caledonia Section	4
Cannington.....	5	Markdale.....	4	Stratford.....	4
Cayuga.....	6	Markham.....	4	Strathroy.....	5
Chatham.....	4	Matheson.....	6	Sudbury.....	6
Clinton.....	5	Merlin.....	6	Sutton.....	5
Cobden.....	4	Merrickville....	4	Tillsonburg.....	4
Cobourg.....	4	Minden.....	6	Tweed.....	5
Delta.....	4	Mitchell.....	5	Uxbridge.....	5
Dorchester.....	5	Napanee.....	4	Vankleek Hill....	4
Dryden.....	8	New Liskeard....	6	Walkerton.....	5
Dundas.....	4	North Bay.....	6	Wallaceburg.....	5
Dunnville.....	5	Norwood.....	5	Warren.....	6
Elmira.....	4	Oil Springs.....	6	Welland.....	1
Essex.....	6	Orangeville....	6	West Lorne.....	6
Exeter.....	5	Orillia.....	3	Winchester.....	4
Fenelon Falls...	5	Oshawa.....	4	Windsor.....	4
Forest.....	6	Ottawa.....	2	Wingham.....	5
Fort Frances....	8	Owen Sound.....	5	Woodbridge.....	5
Frankford.....	4	Parry Sound....	5	Woodstock.....	4

Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1957

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
WESTERN								
Aylmer.....	335.56	1,568	1,075	220	11	132	7	3,013
Blenheim.....	140.65	657	509	126	.....	220	8	1,520
Bothwell.....	420.15	1,563	413	186	.....	.....	15	2,177
Chatham.....	330.73	1,418	2,749	321	.....	.....	38	4,526
Dorchester.....	205.49	840	777	156	.....	2	16	1,791
Essex.....	304.47	1,536	1,389	189	13	635	20	3,782
Exeter.....	272.71	1,184	345	129	10	469	12	2,149
Forest.....	331.09	1,380	264	135	29	876	6	2,690
Harrow.....	248.54	1,393	1,226	172	17	1,437	17	4,262
Ingersoll.....	300.48	1,059	492	100	2	26	5	1,684
Kingsville.....	287.21	1,857	1,572	268	59	1,242	41	5,039
London.....	379.06	1,186	11,687	814	1	25	118	13,831
Lucan.....	374.22	1,413	197	108	.....	.....	5	1,723
Merlin.....	392.83	1,641	565	226	3	362	17	2,814
Oil Springs.....	356.48	1,457	289	195	.....	.....	23	1,964
Ridgetown.....	186.12	672	317	80	19	636	8	1,732
St. Thomas.....	311.63	1,240	1,978	256	.....	10	10	3,494
Sarnia.....	285.87	1,192	2,348	311	8	525	7	4,391
Strathroy.....	513.57	1,930	794	263	.....	.....	8	2,995
Tillsonburg.....	459.78	1,957	1,307	290	.....	.....	27	3,581
Wallaceburg.....	457.58	1,783	1,437	320	2	323	20	3,885
West Lorne.....	258.57	960	206	120	1	58	3	1,348
Windsor.....	72.23	274	766	96	.....	.....	6	1,142
Woodstock.....	226.41	893	780	163	.....	.....	12	1,848
Total.....	7,451.43	31,053	33,482	5,244	175	6,978	449	77,381
WEST CENTRAL								
Brantford.....	549.11	2,216	1,135	293	4	9	5	3,662
Burlington.....	143.04	348	6,469	310	.....	14	74	7,215
Cayuga.....	522.11	1,951	953	263	20	1,282	25	4,494
Clinton.....	657.53	2,499	885	337	6	738	9	4,474
Dundas.....	358.67	1,741	3,359	294	.....	2	23	5,419
Elmira.....	487.99	1,662	1,221	278	13	209	23	3,406
Guelph.....	382.88	1,343	1,466	183	.....	17	8	3,017
Kitchener.....	492.96	1,749	2,831	436	1	170	48	5,235
Listowel.....	610.52	2,559	662	313	.....	11	11	3,556
Mitchell.....	549.96	2,384	619	249	.....	.....	17	3,269
Simcoe.....	791.36	3,447	2,938	495	31	1,523	16	8,450
Stoney Creek...	311.33	1,177	5,879	499	1	143	49	7,748
Stratford.....	301.84	1,277	675	167	.....	.....	10	2,129
Total.....	6,159.30	24,353	29,092	4,117	76	4,118	318	62,074



THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

PROVINCE OF ONTARIO
SHOWING

RURAL OPERATING AREAS

December 31, 1957

Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1957

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
NIAGARA								
Beamsville	363.25	2,163	2,037	340	.....	103	43	4,686
Dunnville	275.31	1,077	835	207	46	1,110	14	3,289
St. Catharines . . .	287.95	1,528	9,211	586	6	243	71	11,645
Welland	460.84	1,514	7,323	757	30	754	79	10,457
Total	1,387.35	6,282	19,406	1,890	82	2,210	207	30,077
TORONTO								
Brampton	592.04	1,977	2,828	353	20	300	49	5,527
Markham	281.21	1,169	3,874	383	24	509	26	5,985
Richmond Hill . . .	297.98	991	6,155	598	3	210	65	8,022
Sutton	338.41	997	2,710	368	103	3,177	17	7,372
Woodbridge	396.75	1,302	2,818	505	1	92	64	4,782
Total	1,906.39	6,436	18,385	2,207	151	4,288	221	31,688
GEORGIAN BAY								
Alliston	478.40	1,903	849	230	2	29	11	3,024
Bala	217.09	50	634	95	76	2,158	5	3,018
Barrie	502.25	1,453	2,788	410	77	3,492	20	8,240
Bracebridge	442.72	493	1,041	202	93	2,737	3	4,569
Cannington	468.66	1,178	992	222	29	2,767	9	5,197
Huntsville	580.61	644	1,645	271	136	2,404	19	5,119
Markdale	625.78	2,158	805	293	2	524	6	3,788
Orangeville	495.76	1,471	1,390	321	9	445	6	3,642
Orillia	574.50	1,069	2,216	423	115	3,508	14	7,345
Owen Sound	922.81	2,449	1,744	496	132	2,933	9	7,763
Parry Sound	395.21	279	1,284	231	96	1,102	13	3,005
Penetanguishene	520.54	1,004	1,138	207	143	4,746	8	7,246
Shelburne	718.11	2,343	375	219	1	48	.....	2,986
Stayner	354.17	1,144	1,145	234	213	3,043	2	5,781
Uxbridge	492.64	1,560	1,168	265	17	1,335	13	4,358
Walkerton	837.85	3,045	923	371	17	661	15	5,032
Wingham	688.26	2,548	675	331	13	683	5	4,255
Total	9,315.36	24,791	20,812	4,821	1,171	32,615	158	84,368

Rural Power District

MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1957

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
EAST CENTRAL								
Bancroft.....	385.62	553	1,234	192	31	1,026	4	3,040
Belleville.....	236.59	805	2,880	327	2	56	20	4,090
Bowmanville...	308.19	950	1,078	208	26	102	10	2,374
Cobourg.....	578.24	1,673	1,602	320	64	970	13	4,642
Fenelon Falls...	510.78	1,043	771	249	136	3,002	11	5,212
Frankford.....	564.81	1,929	1,464	315	18	439	9	4,174
Kingston.....	815.64	2,082	3,969	655	25	1,349	34	8,114
Lakefield.....	391.49	549	764	175	76	2,264	1	3,829
Minden.....	452.93	349	1,456	307	135	2,899	4	5,150
Napanee.....	562.94	1,920	1,286	381	34	355	12	3,988
Norwood.....	347.38	859	467	117	25	883	4	2,355
Oshawa.....	283.23	894	3,092	352	5	206	25	4,574
Peterborough...	631.25	1,767	2,312	388	54	1,070	18	5,609
Picton.....	458.37	1,745	1,560	294	41	675	12	4,327
Tweed.....	557.24	1,114	1,156	324	83	784	3	3,464
Total.....	7,084.70	18,232	25,091	4,604	755	16,080	180	64,942
EASTERN								
Arnprior.....	393.86	961	1,096	274	30	1,221	16	3,598
Brockville.....	594.80	2,085	2,411	465	39	928	27	5,955
Cobden.....	1,030.28	2,232	3,463	744	91	1,005	29	7,564
Delta.....	447.27	1,026	757	244	46	1,150	3	3,226
Lancaster.....	582.48	2,168	1,669	448	6	258	21	4,570
Merrickville...	258.53	755	654	124	2	151	5	1,691
Ottawa.....	725.45	2,413	6,766	700	11	390	64	10,344
Perth.....	782.25	1,799	936	339	35	1,548	4	4,661
Plantagenet...	371.26	1,521	858	323	.....	60	17	2,779
Vankleek Hill ..	217.29	913	537	181	4	66	13	1,714
Winchester.....	793.91	3,278	1,671	538	3	3	29	5,522
Total.....	6,197.38	19,151	20,818	4,380	267	6,780	228	51,624

Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1957

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com-mercial	Summer		Power	Total
					Com-mercial	Other		
NORTHERN ONTARIO PROPERTIES								
NORTHEASTERN								
Algoma.....	255.79	351	2,301	484	35	212	23	3,406
Kapuskasing...	193.90	525	1,839	248	3	206	15	2,836
Kirkland Lake..	92.85	73	193	55	15	274	1	611
Manitoulin.....	546.53	816	1,575	508	72	724	26	3,721
Matheson.....	515.87	1,070	1,090	238	4	300	15	2,717
 New Liskeard ..	 560.61	 1,175	 1,304	 318	 38	 349	 19	 3,203
North Bay.....	711.38	1,091	3,278	503	119	1,089	31	6,111
Sudbury.....	570.33	861	10,873	842	8	992	64	13,640
Warren.....	481.55	1,014	1,295	369	92	529	9	3,308
Total.....	3,928.81	6,976	23,748	3,565	386	4,675	203	39,553
NORTHWESTERN								
Dryden.....	248.95	387	539	164	29	177	4	1,300
Fort Frances...	494.62	936	725	251	39	76	4	2,031
Geraldton.....	89.82	.....	581	171	7	7	15	781
Kenora.....	238.27	185	649	116	91	681	9	1,731
Port Arthur....	848.82	1,811	2,575	391	8	1,049	14	5,848
 Sioux Lookout..	 23.39	 11	 122	 14	 7	 58	 1	 213
Total.....	1,943.87	3,330	5,191	1,107	181	2,048	47	11,904

SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1957

System and Region	Miles of primary line	Number of customers						
		Farm	Hamlet	Com-mercial	Summer		Power	Total
					Com-mercial	Other		
SOUTHERN ONTARIO SYSTEM								
Western.....	7,451.43	31,053	33,482	5,244	175	6,978	449	77,381
West Central...	6,159.30	24,353	29,092	4,117	76	4,118	318	62,074
Niagara.....	1,387.35	6,282	19,406	1,890	82	2,210	207	30,077
Toronto.....	1,906.39	6,436	18,385	2,207	151	4,288	221	31,688
Georgian Bay...	9,315.36	24,791	20,812	4,821	1,171	32,615	158	84,368
East Central...	7,084.70	18,232	25,091	4,604	755	16,080	180	64,942
Eastern.....	6,197.38	19,151	20,818	4,380	267	6,780	228	51,624
Total.....	39,501.91	130,298	167,086	27,263	2,677	73,069	1,761	402,154
NORTHERN ONTARIO PROPERTIES								
Northeastern...	3,928.81	6,976	23,748	3,565	386	4,675	203	39,553
Northwestern...	1,943.87	3,330	5,191	1,107	181	2,048	47	11,904
Total.....	5,872.68	10,306	28,939	4,672	567	6,723	250	51,457
Total—All systems	45,374.59	140,604	196,025	31,935	3,244	79,792	2,011	453,611

Rural Power District

INVESTMENT IN FIXED ASSETS AT COST AS AT DECEMBER 31, 1957

System and Region	1956	1957	Net increase
SOUTHERN ONTARIO SYSTEM	\$	\$	\$
Western.....	34,032,950	35,519,307	1,486,357
West Central.....	29,167,865	31,066,719	1,898,854
Niagara.....	8,671,551	9,235,610	564,059
Toronto.....	12,066,366	13,227,800	1,161,434
Georgian Bay.....	38,143,906	40,609,102	2,465,196
East Central.....	30,784,484	33,249,800	2,465,316
Eastern.....	26,616,679	28,752,937	2,136,258
Total.....	179,483,801	191,661,275	12,177,474
NORTHERN ONTARIO PROPERTIES			
Northeastern.....	21,544,135	23,488,964	1,944,829
Northwestern.....	9,059,670	9,781,252	721,582
Total.....	30,603,805	33,270,216	2,666,411
Total—All systems.....	210,087,606	224,931,491	14,843,885
Provincial assistance.....	104,725,238	112,084,337	7,359,099

Rural Electrical Service 1947 - 1957

CUSTOMERS, REVENUE, AND CONSUMPTION BY CLASSES OF SERVICE

Class of service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	¢
Farm	1947	3,430,307.61	206,420,795	78,990	227	1.66
	1948	3,942,730.96	242,273,102	88,754	241	1.63
	1949	4,508,978.00	275,946,330	102,786	240	1.63
	1950	7,441,437.92	403,018,641	114,725	265	1.85
	1951	8,097,710.92	410,722,321	123,434	287	1.97
	1952	9,017,321.17	468,478,642	129,451	309	1.92
	1953	11,053,487.41	510,783,290	133,522	324	2.16
	1954	12,207,502.58	561,672,463	136,013	347	2.17
	1955	12,915,852.58	597,063,469	138,648	362	2.16
	1956	13,671,336.65	646,557,636	139,289	388	2.11
	1957	14,386,097.14	689,975,689	140,604	411	2.09
Hamlet	1947	2,754,265.59	150,411,043	74,556	179	1.83
	1948	3,279,149.63	185,225,412	85,838	193	1.77
	1949	3,552,600.42	200,875,642	98,453	182	1.77
	1950	5,712,108.72	302,905,040	115,464	202	1.89
	1951	6,380,808.20	314,271,957	124,091	219	2.03
	1952	7,253,640.00	366,600,438	133,193	238	1.98
	1953	9,560,018.46	430,507,266	150,627	253	2.22
	1954	11,194,393.02	510,800,965	160,552	274	2.19
	1955	12,734,130.77	592,590,431	177,398	292	2.15
	1956	14,639,910.88	709,141,756	181,113	330	2.06
	1957	16,174,554.38	803,953,114	196,025	355	2.01
Commercial	1947	572,625.58	33,304,037	12,079	248	1.72
	1948	706,949.62	41,665,764	13,489	272	1.70
	1949	1,147,167.71	69,458,813	15,576	398	1.65
	1950	2,083,696.71	113,039,553	17,879	483	1.84
	1951	2,284,851.74	115,121,444	20,110	505	1.98
	1952	2,457,032.13	125,932,132	24,564	470	1.95
	1953	3,385,239.46	149,120,428	28,870	465	2.27
	1954	3,707,824.28	166,176,082	30,403	467	2.23
	1955	3,996,936.76	186,698,211	32,509	495	2.14
	1956	4,444,185.15	211,082,610	33,481	533	2.11
	1957	4,855,540.79	233,114,413	35,179	566	2.08
Summer	1947	632,102.22	21,116,561	27,615	68	2.99
	1948	722,951.54	24,440,522	31,175	69	2.96
	1949	855,107.11	28,038,463	37,536	68	3.05
	1950	1,376,606.36	32,307,669	43,733	66	4.26
	1951	1,616,368.92	36,705,187	49,913	65	4.40
	1952	1,826,359.64	40,319,422	55,159	64	4.53
	1953	1,833,881.12	34,287,310	57,547	51	5.35
	1954	2,034,199.00	38,613,327	62,183	54	5.27
	1955	2,214,360.48	40,493,631	68,600	52	5.47
	1956	2,478,450.51	46,121,627	74,390	54	5.37
	1957	2,709,831.47	50,797,923	79,792	55	5.34
Power	1947	791,701.84	56,514,985	813	6,000	1.40
	1948	868,667.70	64,376,898	833	6,519	1.35
	1949	922,265.51	62,692,652	944	5,880	1.47
	1950	1,429,465.54	87,983,478	1,010	6,433	1.62
	1951	1,562,608.29	87,692,082	1,058	7,067	1.78
	1952	1,799,924.89	102,608,301	1,170	7,676	1.75
	1953	2,147,899.48	121,310,479	1,289	8,222	1.77
	1954	2,545,737.21	148,176,508	1,466	8,964	1.72
	1955	2,934,852.81	171,202,169	1,681	9,067	1.71
	1956	3,402,416.31	207,252,224	1,782	9,975	1.64
	1957	3,732,252.41	225,748,793	2,011	9,920	1.65

APPENDIX IV—LEGISLATIVE

AT the 1957 Session of the Legislative Assembly of the Province of Ontario three Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

The Frequency Standardization Agreements Validation Act, 1957, Chapter 38.
The Power Commission Amendment Act, 1957, Chapter 93.
The St. Lawrence Development Amendment Act, 1957, Chapter 115.

ACTS

CHAPTER 38

An Act to validate Certain Agreements entered into by The Hydro-Electric Power Commission of Ontario with Certain Quebec Power Companies with respect to Frequency Standardization

Assented to April 3rd, 1957.

Session Prorogued April 3rd, 1957.

WHEREAS The Hydro-Electric Power Commission of Ontario purchases electrical power and energy with a periodicity of 25 cycles per second under separate agreements with certain Quebec power companies; and whereas for the purposes of standardizing and making uniform a periodicity of 60 cycles per second The Hydro-Electric Power Commission of Ontario has entered into separate agreements with each of the said companies whereby future deliveries of electrical power and energy will be made at a periodicity in alternations of current of 60 cycles per second instead of 25 cycles per second as heretofore; and whereas it is desirable that these agreements be validated;

Preamble

Therefore, Her Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. The agreements,

Agreements
validated

- (a) between The Hydro-Electric Power Commission of Ontario and Ottawa Valley Power Company, dated the 22nd day of October, 1956, set out as Schedule A hereto;
- (b) between The Hydro-Electric Power Commission of Ontario, Maclaren-Quebec Power Company and The James Maclaren Company Limited, dated the 12th day of November, 1956, set out as Schedule B hereto;
- (c) between The Hydro-Electric Power Commission of Ontario, Gatineau Power Company and Gatineau Transmission Company, dated the 15th day of February, 1957, set out as Schedule C hereto; and
- (d) between The Hydro-Electric Power Commission of Ontario, Beauharnois Light, Heat and Power Company, Coteau Rapids Transmission Company and Quebec Hydro-Electric Commission, dated the 7th day of February, 1957, set out as Schedule D hereto,

are hereby ratified and confirmed and declared to be legal, valid and binding upon the parties thereto.

Commence-
ment

2. This Act comes into force on the day it receives Royal Assent.

Short title

3. This Act may be cited as *The Frequency Standardization Agreements Validation Act, 1957*.

SCHEDULE A

THIS AGREEMENT dated this 22nd day of October, 1956.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission",

—and—

OTTAWA VALLEY POWER COMPANY, a corporation organized
under the laws of Quebec, hereinafter called the "Company".

WHEREAS the Company is producing 25 cycle 14.5 Kv. electrical power or energy according to the provisions of a Joint Development Agreement dated February 15, 1930, between the Commission and Chats Falls Power Company, a corporation organized under the laws of Quebec (now known as the Ottawa Valley Power Company) and of an Operating Agreement between the Commission and the said Ottawa Valley Power Company, dated February 24, 1931, set out in Schedule "D" to *The Power Commission Act, 1935* (Ontario); and

WHEREAS the aforesaid 25 cycle electrical power or energy so produced is sold and delivered to the Commission pursuant to the terms of an Agreement (the Power Contract) between the Commission and the said Chats Falls Power Company also dated February 15, 1930, also set out in Schedule "D" to *The Power Commission Act, 1935* (Ontario), as varied and amended by a further Agreement between the said parties dated February 4, 1937, set out in Schedule "A" to *The Power Contracts Validation Act, 1937* (Ontario); and

WHEREAS for the purpose of carrying out its program of standardizing and making uniform the periodicity in alternations of current at which it supplies electrical power or energy to its customers, the Commission desires, with the consent of the Company, to alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever may be necessary to the Company's 25 cycle generating units and facilities so that the electrical power or energy now being produced, sold and delivered to the Commission at a periodicity of 25 cycles per second under the provisions of the above-mentioned Agreements shall henceforth be produced, sold and delivered to the Commission at a periodicity of 60 cycles per second; and

WHEREAS the parties have agreed that the necessary amendment or amendments shall be made to any or all of the above-mentioned Agreements and that such supplementary Agreement or Agreements incidental thereto, as may be requisite, be entered into between the parties hereto, to give effect to the change in the periodicity in alternations of current from 25 cycles to 60 cycles.

WITNESSETH that in consideration of the premises and of other consideration herein contained the parties hereto agree each with the other as follows:

1. Clause 2(a) of the Agreement between the Commission and the Chats Falls Power Company dated February 15, 1930, (the "Power Contract") as amended by clause 1(a) of the Agreement between the

parties hereto dated February 4, 1937, be further amended by striking out the words and figures "twenty-five (25) cycles" and substituting therefor the words and figures "sixty (60) cycles" so that the clause shall read as follows:

"2. (a) The power delivered hereunder shall be alternating, three (3) phase, having a periodicity of sixty (60) cycles per second and a pressure between phase wires not exceeding the commercial maximum voltage of approximately fourteen thousand five hundred (14,500) volts, subject to a reduction of not over two thousand six hundred and forty (2,640) volts from the determined maximum voltage from time to time as the Commission may direct, and the equipment and apparatus installed by the Company in its plant shall be suitable for operation to obtain this condition, provided, however, that nothing herein shall be construed as obligating the Company to install apparatus having a capacity in excess of rated capacity at normal voltage; the Company shall maintain the generator voltage under normal operating conditions within two per cent. (2%) of the generator voltage corresponding to the voltage directed by the Commission as aforesaid and shall install suitable equipment for such purposes, provided that if the Commission at any time takes power, as provided for in Clause 1(d) in excess of the contract demand, then the Company shall, during such excess taking, maintain the voltage and frequency as aforesaid as nearly as possible with the equipment then installed".

and wherever else the words and figures "twenty-five (25) cycles" may occur in any other clauses of the above-mentioned Agreements they shall be deemed to be struck out and the words and figures "sixty (60) cycles" substituted therefor but otherwise the said Agreements shall remain in full force and effect in their present form.

2. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have executed this document by affixing their corporate seals attested by the signatures of their proper signing officers duly authorized in that behalf.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

(Sgd.) W. R. STRIKE,
Vice-Chairman.

(SEAL)

(Sgd.) E. B. EASSON,
Secretary.

OTTAWA VALLEY POWER COMPANY

(Sgd.) G. A. GAHERTY,
President.

(SEAL)

(Sgd.) A. G. MACKINNON,
Secretary.

SCHEDULE B

THIS AGREEMENT dated the 12th day of November, 1956.
BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission",
MACLAREN-QUEBEC POWER COMPANY a corporation organized under the Laws of Quebec, hereinafter called the "Power Company",

—and—

THE JAMES MACLAREN COMPANY LIMITED, a corporation organized under the laws of Canada, hereinafter called the "Transmission Company".

WHEREAS the Power Company is presently producing and selling to the Commission 125,000 horsepower of 25 cycle, 240 Kv. electrical power or energy, which electrical power or energy is delivered to the Commission by the Transmission Company; and

WHEREAS the aforesaid 25 cycle electrical power or energy is produced, sold and delivered to the Commission pursuant to the terms of an Agreement between James MacLaren Company Limited (in subsequent Agreements called the "Transmission Company") and the Commission dated December 20, 1930, set out in Schedule "E" to *The Power Commission Act, 1935* (Ontario), as varied by an Agreement between the Power Company, the Transmission Company and the Commission dated December 14, 1937, set out in Schedule "D" to *The Power Contracts Validation Act, 1938* (Ontario), and by a further amending Agreement between the said parties dated December 5, 1941, the amount of electrical power or energy to be produced, sold and delivered to the Commission was increased to its present amount of 125,000 horsepower; and

WHEREAS for the purpose of carrying out its program of standardizing and making uniform the periodicity in alternations of current at which it supplies electrical power or energy to its customers, the Commission desires the Power Company to alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever may be necessary to the Power Company's generating units and facilities so that the 125,000 horsepower, 240 Kv. electrical power or energy now being produced, sold and delivered to the Commission at a periodicity of 25 cycles per second under the provisions of the above-mentioned Agreements shall henceforth be produced, sold and delivered to the Commission at a periodicity of 60 cycles per second, and, in addition, to alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever is necessary to the Company's said generating units and/or facilities to permit the said 60 cycle electrical power or energy to be transmitted and delivered to the Commission at a phase to phase voltage of 121 Kv., or alternatively, at 242 Kv.; and

WHEREAS the Power Company has agreed to cause the necessary changes to be made to its 25 cycle generating units and associated facilities on the understanding that the Commission will reimburse it for the cost of such changes in accordance with the terms of a Construction Agreement to be entered into between the Power Company and the Commission; and

WHEREAS the parties hereto have agreed that the necessary amendment or amendments shall be made to any or all of the above-mentioned

Agreements dated respectively December 20, 1930, December 14, 1937, and December 5, 1941, and that such supplementary Agreement or Agreements incidental thereto, as may be requisite, be entered into between the parties hereto, to give effect to the change in the periodicity in alternations of current from 25 cycles to 60 cycles and to the change in phase to phase voltage from 240 Kv. to 121 Kv., or alternatively, to 242 Kv.

WITNESSETH that in consideration of the premises and of other consideration herein contained the parties hereto agree each with the other as follows:

1. The said Agreement dated December 20, 1930, as varied by the said Agreement dated December 14, 1937, is amended by striking out clause 4 (d) and substituting therefor the following:

"4. (d) The power and energy delivered hereunder shall be alternating three phase with a periodicity of approximately sixty cycles per second at a pressure between phase wires of approximately one hundred and twenty-one thousand (121,000) volts, or alternatively, two hundred and forty-two thousand (242,000) volts. The Power Company shall adjust the voltage as the Commission shall from time to time request, and shall maintain this voltage constant within 2%; subject to the condition that, when the systems of the Power Company and the Commission are operating in parallel through transformation at Masson Generating Station, the Power Company shall not be required to make any change in voltage which would cause a variation of more than 5% in the voltage at the Power Company's 115 Kv. bus at Masson GS; and the equipment and apparatus installed by the Power Company in its plants shall be suitable to obtain these conditions. The Power Company shall at mutually agreeable times make changes requested by the Commission in the tap positions on the transformers at Masson GS connected to the Commission's system. Nothing herein shall be construed as obligating the Power Company to operate its apparatus in excess of its rated capability."

2. The said Agreement dated December 20, 1930, as varied by the said Agreement dated December 14, 1937, is further amended by striking out clause 5 (c) and substituting therefor the following:

"5. (c) The Commission shall bear the cost of all transformation losses incurred in stepping up the power delivered under the agreement from generator voltage to transmission voltage, and also the cost of transmission losses between the Power Company's Masson Generating Station and the point of delivery, the value of such losses having already been considered in the price specified in this Agreement. The power and energy supplied under this agreement shall be measured at Masson GS. For purposes of billing, such power and energy shall be considered as consisting of two components.

(a) That which is delivered to the Commission from Masson GS, which shall be measured at the generator voltage terminals of the transformers which connect Masson GS to the Commission's system.

(b) That which is transferred between the Power Company's system and the Commission's system through an interconnection at Masson GS, which shall be measured at the Power Company's transmission voltage at the point where the two systems are interconnected.

Whenever the power referred to in (b) is flowing from the Power Company's system to the Commission's system, the power or energy delivered to the Commission shall be item (a) plus 101% of item (b), at other times the power or energy delivered to the Commission shall be item (a) less 101% of item (b)."

3. The Transmission Company joins herein to concur in the terms and provisions of this Agreement.

4. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have executed this document by affixing their corporate seals attested by the signatures of their proper officers duly authorized in that behalf.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
(Sgd.) W. R. STRIKE,
Vice-Chairman.

(SEAL)

(Sgd.) E. B. EASSON,
Secretary.

MACLAREN-QUEBEC POWER COMPANY
(Sgd.) A. R. MACLAREN,
President.

(SEAL)

(Sgd.) J. W. THOMSON,
Secretary.

THE JAMES MACLAREN COMPANY LIMITED
(Sgd.) A. B. MACLAREN,
President.

(SEAL)

(Sgd.) J. W. THOMSON,
Secretary.

SCHEDULE C

CONVERSION AGREEMENT

THIS AGREEMENT dated the 15th day of February, 1957.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission",
GATINEAU POWER COMPANY, a Quebec Corporation, hereinafter called the "Power Company",
—and—

GATINEAU TRANSMISSION COMPANY, a Dominion Corporation,
hereinafter called the "Transmission Company".

- I WHEREAS the Power Company is at present selling to the Commission 260,000 horsepower of 25 cycle electrical power or energy at a voltage of 230,000 from apparatus installed by the Power Company in its plants on the Gatineau River in the Province of Quebec which electrical power or energy is delivered to the Commission by the Transmission Company; and
- II WHEREAS the aforesaid 25 cycle electrical power or energy is sold and delivered to the Commission pursuant to the terms of an Agreement between the Power Company and the Commission, being the Original 25 cycle Contract dated May 19, 1926, set out

in Schedule "A" to *The Power Commission Act, 1935* (Ontario), as amended by an Agreement between the parties hereto dated December 14, 1937, set out in Schedule "B" to *The Power Contracts Validation Act, 1938* (Ontario), hereinafter referred to as the "260,000 Horsepower Contract"; and

- III WHEREAS for the purpose of carrying out its program of standardizing and making uniform the periodicity in alternations of current at which the Commission supplies electrical power or energy to its customers, the Commission desires the Power Company to alter, reconstruct, rebuild, re-assemble, acquire, construct, extend, replace or do whatever may be necessary to the Power Company's apparatus including without limiting the generality thereof, to acquire such apparatus as may be requisite, so that the 260,000 horsepower of electrical power or energy now being sold and delivered to the Commission at a voltage of 230,000 and at a periodicity of 25 cycles per second shall henceforth be sold and delivered to the Commission at a voltage of 245,000 and at a periodicity of 60 cycles per second, and in addition, to alter, reconstruct, rebuild, re-assemble, acquire, construct, extend, replace or do whatever is necessary to the Power Company's apparatus to permit the said 60 cycle electrical power or energy to be transmitted and delivered to the Commission at a phase to phase voltage of 245,000; and
- IV WHEREAS the Power Company has agreed to effect the necessary changes to be made to its 25 cycle apparatus at the expense of the Commission in accordance with the terms of a Construction Agreement entered into between the Power Company and the Commission concurrently herewith; and
- V WHEREAS the Power Company is also at present selling to the Commission 60,000 horsepower of 60 cycle electrical power or energy at a voltage of 110,000 pursuant to the terms of an Agreement between the Power Company and the Commission, being the Original 60 Cycle Contract dated December 28, 1927, set out in Schedule "B" to *The Power Commission Act, 1935* (Ontario) as amended by an Agreement between the parties hereto dated December 14, 1937, set out in Schedule "A" to *The Power Contracts Validation Act, 1938* (Ontario), hereinafter referred to as the "60,000 Horsepower Contract"; and
- VI WHEREAS since the year 1942 certain of the power to be delivered under the 60,000 Horsepower Contract has been delivered by the Transmission Company to the Commission at the Bryson point of delivery hereinafter more particularly defined; and
- VII WHEREAS for convenience in operation of its system the Power Company has requested the right, after October 1, 1960, to deliver from time to time, a part of the electrical power or energy being produced and sold to the Commission under the 60,000 Horsepower Contract, at the same delivery point as that now existing for the delivery of electrical power or energy to the Commission under the 260,000 Horsepower Contract, and the Commission is willing to grant this request; and
- VIII WHEREAS the parties hereto have agreed that the necessary amendment or amendments shall be made to the 260,000 Horsepower Contract and the 60,000 Horsepower Contract to give effect to the foregoing Recitals.

WITNESSETH that in consideration of the premises and of the mutual advantages expected to be realized by the parties hereto respectively, the parties hereto agree as follows:

THE 260,000 HORSEPOWER CONTRACT

1. The Original 25 Cycle Contract dated May 19, 1926, as amended by the said Agreement dated December 14, 1937, is amended as follows:

(1) Clause 4 (*h*) is struck out and the following substituted therefor:

“4. (*h*) After the Contract Demand shall have reached two hundred and sixty thousand (260,000) horsepower, the Commission may, at any time, but at all times so as not to exceed the weekly takings of energy as specified in Clause 4 (*d*), increase the rate of taking of power to an amount in excess of the Contract Demand, up to the limits of the overload capacity of all the generating equipment used from time to time by the Power Company exclusively to meet its obligations hereunder, and of all the unused and available capacity of the remaining generating equipment of the Power Company converted from 25 cycle to 60 cycle. The Commission shall make no payment to the Transmission Company or to the Power Company for overload or spare capacity so utilized.”

(2) Clause 4 (*i*) is struck out and the following substituted therefor:

“4. (*i*) The power and energy delivered hereunder shall be alternating three-phase with a periodicity of approximately sixty cycles per second at a pressure between phase wires of approximately 245,000 volts at Pagan, subject to a reduction of not over fifteen percent from the said voltage from time to time as the Commission may direct; and the equipment and the apparatus installed by the Power Company in its plants shall be suitable to obtain this condition, provided, however, that nothing herein shall be construed as obligating the Power Company to operate its apparatus in excess of its rated capacity at normal voltage. The Power Company shall maintain the generator voltage within two per cent (2%) of the generator voltage corresponding to the voltage directed by the Commission as aforesaid and shall maintain suitable equipment for such purpose, provided that if the Commission at any time takes power, as provided for in Clause 4 (*h*), in excess of the Contract Demand, then the Power Company shall, during such excess taking, maintain the voltage and frequency as aforesaid as nearly as possible with the equipment then installed.”

(3) Clause 5 (*c*) is struck out and the following substituted therefor:

“5. (*c*) The power and energy supplied under this Agreement shall be measured on the low voltage side of the 245,000 volt step-up transformers at Pagan and no adjustment of such measurement shall be required; the loss in transformation to the transmission voltage of approximately 245,000 volts and transmission at this voltage from Pagan to the point of delivery having already been considered in the price herein specified.”

THE 60,000 HORSEPOWER CONTRACT

2. The Original 60 Cycle Contract dated December 28, 1927, as amended by the said Agreement dated December 14, 1937, is amended as follows:

(1) Clause 2 is struck out and the following substituted therefor:

“2. The Transmission Company covenants and agrees with the Commission:

- (a) (i) To maintain the existing 110,000 volt single-circuit line from the Power Company's Bryson Generating Station at Bryson in the Calumet Channel of the Ottawa River in the Province of Quebec to a point (hereinafter referred to as the “Bryson point of delivery”) in Ontario ten (10) feet within the Interprovincial Boundary located approximately three and one-half miles in a south-westerly direction from the Bryson Generating Station where the said line interconnects with the transmission line of the Commission's system, and
- (ii) To maintain the existing 110,000 volt double-circuit line from the Power Company's switching station at Hull to a point (hereinafter referred to as the “Val Tetreau point of delivery”) in Ontario ten (10) feet within the Interprovincial Boundary where the said line interconnects with the double-circuit line of the Commission's system.”

“2. (b) To receive from the Power Company and to transmit over its transmission lines and to deliver to the Commission the electrical power and energy covered by this Agreement at the following delivery points within the Province of Ontario:

- (i) That portion of the power and energy to be delivered under this contract and required by the Commission to supply its transformer stations connected to the transmission line referred to in Clause 2 (a) (i) will be delivered at the Bryson point of delivery on the transmission line referred to in clause 2 (a) (i);
- (ii) The remainder of the power and energy required to be delivered under this contract will be delivered at the Val Tetreau point of delivery on the transmission line referred to in Clause 2 (a) (ii) provided that, after October 1, 1960, from time to time at the option of the Power Company, this power and energy may be delivered instead at a point ten (10) feet within the Province of Ontario on the Transmission Company's two 240,000 volt transmission lines from Pagan Generating Station; this latter being the delivery point for all power and energy under that Agreement sometimes known as the Original 25 Cycle Contract dated May 19, 1926, set out in Schedule “A” to *The Power Commission Act, 1935* (Ontario), as amended by an Agreement between the Commission, the Power Company and the Transmission Company dated December 14, 1937, set out in Schedule “B” to *The Power Contracts Validation Act, 1938* (Ontario), hereinafter referred to as the “260,000 Horsepower Contract”.”

“2. (c) To maintain the aforesaid transmission lines in a proper and efficient manner and at least up to the present standard of the transmission lines of the Commission used to further transmit such power and energy.”

“2. (d) To maintain a two wire telephone line between the Power Company's switching station at Hull and the point of connection with the telephone lines of the Commission and to permit the free use of said communication system to the Power Company and to the Commission for the proper control and delivery of the power specified in this Agreement.”

“2. (e) Notwithstanding the provisions of clause 4 (i), the Commission shall not connect any source of power generation to its transmission line connected to the Bryson point of delivery when the Company is delivering any portion of the power and energy under this contract at the Bryson point of delivery and the parties agree that the control of power factor and power delivery at the Bryson point of delivery are within the sole control of the Commission and that the Power Company, in meeting the requirements of the Commission as provided in clause 4 (i) at the Val Tetreau point of delivery, shall be deemed to have met the requirements of the Commission as provided in clause 4 (i) in respect to voltage at the Bryson point of delivery.”

(2) Clause 5 (c) is struck out and the following substituted therefor:

“5. (c) The power and energy supplied under this Agreement for delivery

- (i) at the Val Tetreau point of delivery shall be measured at the Power Company's switching station at Hull on the one hundred and ten thousand (110,000) volt transmission line interconnecting with the Commission's system;
- (ii) at the Bryson point of delivery shall be measured at the Power Company's Bryson Generating Station on the one hundred and ten thousand (110,000) volt transmission line interconnecting with the Commission's system;
- (iii) at the same point of delivery as the power and energy delivered under the 260,000 Horsepower Contract, shall be measured at the same point as power and energy is measured under the 260,000 Horsepower Contract.

No adjustment of such measurements shall be required, any loss in transmission from the aforesaid points of measurement to the points of delivery having already been considered in the price herein specified.”

(3) Clause 7 (a) is amended by adding at the end of paragraph one thereof the following:

“should the Power Company or the Transmission Company at any time or times for any of the before-mentioned causes

be prevented from delivering power to the Commission at the Bryson point of delivery in accordance with this Agreement when it is not so prevented from delivering power at the Val Tetreau point of delivery such power may be delivered at the Val Tetreau point of delivery."

3. The Commission shall bear the entire cost and expense of the Work required to alter, so as to standardize to 60 cycles and 245,000 volts, the Power Company's existing apparatus at 25 cycles and 230,000 volts, in accordance with the terms of the Construction Agreement entered into concurrently herewith. The Commission may supply from its own system such apparatus as is suitable for use by the Power Company for the purpose aforesaid. All of the said apparatus, including any supplied by the Commission, shall become and remain the property of the Power Company, and Clause 11 of the 260,000 Horsepower Contract shall not apply thereto.

4. In case the Power Company or the Transmission Company shall be prevented, by reason of failure of any apparatus previously in service on the system of the Commission and supplied by it to the Power Company as permitted by Clause 3, or as a result of any of the Work referred to in Clause 3 being done, from delivering in any week all or any part of the electrical power or energy to which the Commission is entitled under the 260,000 Horsepower Contract there shall be no reduction in the sums payable by the Commission to the Power Company in respect of the Contract Demand under the 260,000 Horsepower Contract for such week.

5. It is understood and agreed that the 260,000 Horsepower Contract and the 60,000 Horsepower Contract shall be varied and amended insofar as necessary to give effect hereto but otherwise shall remain in full force and effect.

6. This Agreement shall not take effect until it has been ratified and confirmed by the Legislature of the Province of Ontario. The Commission shall apply to the said Legislature to ratify and confirm this Agreement. Should the Commission fail to secure such ratification and confirmation by May 31, 1957, this Agreement shall be void and of no effect.

7. During the period within which the changes to the 25 cycle apparatus referred to in Clause 3 are being made, the Power Company shall deliver to the Transmission Company for delivery to the Commission such amounts of 60 cycle electrical power and energy as are reasonably possible from such apparatus as has been converted from 25 cycle to 60 cycle from time to time and as may be requested by the Commission. Upon completion of the Work referred to in Clause 3 all electrical power and energy to be delivered under the 260,000 Horsepower Contract shall be delivered to the Commission at a periodicity of 60 cycles per second.

8. All written notices or other documents to be given or delivered by any party hereto to either of the others or to any representative of either of the others may be sent by prepaid registered letter to such address or addresses as each party shall from time to time file with the others. The parties agree each to maintain its address on file with the others and in default such address shall in the case of the Power Company and the Transmission Company be deemed to be the City of Hull, Quebec and in the case of the Commission, the City of Toronto, Ontario.

IN WITNESS WHEREOF the parties hereto have caused this amending Agreement to be executed under their corporate seals and the hands of their duly authorized officers.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
(Sgd.) W. R. STRIKE,
Vice-Chairman.

(SEAL)

(Sgd.) E. B. EASSON,
Secretary.

GATINEAU POWER COMPANY
(Sgd.) G. GORDON GALE,
President.

(SEAL)

(Sgd.) ANDRE E. GADBOIS,
Secretary.

GATINEAU TRANSMISSION COMPANY
(Sgd.) G. GORDON GALE,
President.

(SEAL)

(Sgd.) ANDRE E. GADBOIS,
Secretary.

SCHEDULE D

THIS AGREEMENT made this 7th day of February, 1957.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called "Ontario Hydro",
BEAUHARNOIS LIGHT, HEAT AND POWER COMPANY (a corporation organized under the laws of the Province of Quebec),
hereinafter called the "Power Company",
COTEAU RAPIDS TRANSMISSION COMPANY LIMITED (a corporation organized under the laws of Canada), hereinafter called the "Transmission Company",

—and—

QUEBEC HYDRO-ELECTRIC COMMISSION, hereinafter called "Hydro-Quebec".

WHEREAS Ontario Hydro purchases 250,000 horsepower of 25 cycle 240 Kv. electrical power or energy pursuant to an Agreement between the Power Company and Ontario Hydro dated November 29, 1929, set out as Schedule "C" to *The Power Commission Act, 1935* (Ontario), as varied and amended by an Agreement between the Power Company, the Transmission Company and Ontario Hydro dated December 14, 1937, set out as Schedule "C" to *The Power Contracts Validation Act, 1938* (Ontario); and

WHEREAS for the purpose of supplying the said 250,000 horsepower of electrical power or energy, the Power Company installed six 25 cycle generating units at the Beauharnois Generating Station on the St. Lawrence River in the Province of Quebec; and

WHEREAS Hydro-Quebec, the Power Company and the Transmission Company entered into an Agreement dated April 26, 1954, whereby Hydro-Quebec leases and operates the immovables, constructions, apparatus and plant of the Power Company for a period of twenty-five (25) years from May 1, 1954; and

WHEREAS for the purpose of carrying out its progress of standardizing and making uniform the periodicity in alternations of current at which it supplies electrical power or energy to its customers, Ontario Hydro desires Hydro-Quebec to alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever may be necessary to the said 25 cycle generating units and facilities at the Beauharnois Generating Station so that the 250,000 horsepower, 240 Kv. electrical power or energy now being produced, sold and delivered to Ontario Hydro at a periodicity of 25 cycles per second under the provisions of the above-mentioned Agreements shall henceforth be produced, sold and delivered to Ontario Hydro at a periodicity of 60 cycles per second; and

WHEREAS Hydro-Quebec has agreed to make the necessary changes to the six 25 cycle generating units and associated facilities at Beauharnois generating station on the understanding that Ontario Hydro will reimburse it for the costs of such changes as are defined in accordance with the terms of a Construction Agreement to be entered into between Hydro-Quebec, Ontario Hydro and the Power Company; and

WHEREAS the parties hereto have agreed that the necessary amendment or amendments shall be made to one or both of the two above-mentioned Agreements for the supply of 25 cycle electrical power or energy dated respectively November 29, 1929, and December 14, 1937, and that such supplementary Agreement or Agreements incidental thereto, as may be requisite, be entered into between the parties hereto, to give effect to the change in the periodicity in alternations of current from 25 cycles to 60 cycles.

WITNESSETH that in consideration of the premises and of other consideration herein contained the parties hereto agree each with the other as follows:

1. The said Agreement dated November 29, 1929, as varied by the said Agreement dated December 14, 1937, is amended by striking out clause 2 (a) and substituting therefor the following:

"2. (a) The power and energy delivered hereunder shall be alternating, three-phase, having an average periodicity of sixty (60) cycles per second, and shall be controlled by tie-line-bias control equipment installed by the Company and the Commission at their respective locations. The Company and the Commission each shall bear its own costs of purchase and installation of such equipment. The pressure between phase wires shall be approximately two hundred and forty thousand volts (240,000 V.) subject to an increase or decrease from time to time as the Commission may direct of not over five per cent (5%); the Company shall, under normal operating conditions, maintain the voltage within two per cent (2%) of the voltage directed by the Commission as aforesaid; and the Company shall install suitable equipment and apparatus for these purposes."

2. The said Agreement dated November 29, 1929, as varied by the said Agreement dated December 14, 1937, is further amended by striking out clause 4 (d) and substituting therefor the following:

"4. (d) The power and energy covered by this agreement shall be delivered at approximately Two Hundred and Forty Thousand Volts (240,000 V.), subject to Clause 2 (a) as hereinbefore mentioned, at a point where the two existing 240,000 volt transmission lines cross the boundary between the Provinces of Ontario and

Quebec, approximately three miles from Lake St. Francis. The Company shall install suitable transformation at its Beauharnois Generating Station and shall maintain the necessary transmission lines between Beauharnois Generating Station and the point of delivery.

All electrical power and energy supplied under this agreement shall be measured at the 115,000 volt connections to the Two Hundred and Forty Thousand (240,000) volt step-up autotransformers at the Company's Beauharnois Station. No adjustment of such measurement shall be made for the loss in transformation to transmission voltage (approximately 240,000 volts) nor for transmission loss to the point of delivery, the said losses having already been allowed for; but a reduction shall be made for the amount of power or energy taken by the Company from the low voltage tertiary of the said autotransformers. If for any reason the measuring instruments are connected to other than the said metering point, their readings shall be subject to a correction and shall be corrected to give results such as would be obtained by instruments connected at the said metering point.

The Company will maintain a suitable communication system between its plants and the point of delivery."

3. Hydro-Quebec, as intervenor, hereby covenants and agrees with Ontario Hydro to assume, undertake and perform and hereby assumes, undertakes and binds itself to perform or cause to be performed, as the case may be all of the agreements and obligations of the Power Company and of the aforesaid Agreements dated November 29, 1929, and December 14, 1937.

4. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have executed this Agreement by affixing their corporate seals attested by the signatures of their proper officers duly authorized in that behalf.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
(Sgd.) W. R. STRIKE,
Vice-Chairman.

(SEAL)

(Sgd.) E. B. EASSON,
Secretary.

BEAUHARNOIS LIGHT, HEAT AND POWER COMPANY
(Sgd.) J. W. McCAMMON,
Vice-President.

(SEAL)

(Sgd.) W. E. JOHNSON,
Joint Secretary.

COTEAU RAPIDS TRANSMISSION COMPANY LIMITED
(Sgd.) J. W. McCAMMON,
Vice-President.

(SEAL)

(Sgd.) W. E. JOHNSON,
Joint Secretary.

QUEBEC HYDRO-ELECTRIC COMMISSION
(Sgd.) J. A. SAVOIE,
President.

(SEAL)

(Sgd.) B. LACASSE,
Joint Secretary.

CHAPTER 93

An Act to amend The Power Commission Act

Assented to April 3rd, 1957.

Session Prorogued April 3rd, 1957.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Clause *a* of section 26 of *The Power Commission Act*, as amended by section 2 of *The Power Commission Amendment Act, 1956*, is repealed and the following substituted therefor:

R.S.O. 1950,
c. 281, s. 26,
cl. a, re-
enacted

(a) for the purposes of standardizing and making uniform the periodicity in alternations of current at which it supplies power, alter, reconstruct, rebuild, reassemble, construct, extend, replace or do whatever else may be necessary in respect of its works, works held by it under section 84, works held by it in trust for Her Majesty in right of Ontario under sections 59 and 59*a* and, with their consent, works wherever situate of other persons who are supplying or purchasing or otherwise delivering or accepting delivery of power to or from the Commission.

2. Section 59 of *The Power Commission Act* is amended by adding thereto the following subsection:

R.S.O. 1950,
c. 281, s. 59,
amended

(2*a*) In subsection 2, "the annual costs and charges in connection therewith as determined by the Commission" includes for the purposes of subsection 2 and of every agreement heretofore or hereafter entered into between Her Majesty and the Commission thereunder all costs, charges and expenditures incurred or to be incurred for the provision of a reserve for, and the amortization of the cost of, standardizing and making uniform the periodicity in alternations of current at which power is generated and supplied by the Commission from works held by it in trust for Her Majesty in right of Ontario and at which such power is utilized.

Definition
of annual
costs and
charges

3. This Act comes into force on the day it receives Royal Assent.

Commence-
ment

4. This Act may be cited as *The Power Commission Amendment Act, 1957*.

Short title

CHAPTER 115

An Act to amend The St. Lawrence Development Act, 1952 (No. 2)

Assented to April 3rd, 1957.

Session Prorogued April 3rd, 1957.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Section 1 of *The St. Lawrence Development Act, 1952 (No. 2)* is amended by adding thereto the following clause:

1952 (2nd
Sess.), c. 3,
s. 1,
amended

(ff) "road" means, whether opened or unopened, any common, public or other highway, road, street, road allowances, way, thoroughfare or any part thereof or any public means of access, ingress, egress or passage for persons or vehicles and includes bridges and structures forming part of a road.

2. *The St. Lawrence Development Act, 1952 (No. 2)* is amended by adding thereto the following section:

1952 (2nd
Sess.), c. 3,
amended

8*a*. Notwithstanding anything in any general or special Act, where under subsection 1 of section 8 a road has been or is expropriated and the councils of the municipalities whose action or approval would under any Act be required for the closing thereof consent by by-law to such closing, such road shall be deemed to be stopped up and closed as of the date of the deposit in the proper registry or land titles office of a plan and description thereof in the manner provided in section 9.

Certain
roads closed

3. This Act comes into force on the day it receives Royal Assent.

Commence-
ment

4. This Act may be cited as *The St. Lawrence Development Amendment Act, 1957*.

Short title

ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Order in Council.

TOWN		
Rainy River.....	Aug. 6, 1957	Petawawa.....Apr. 23, 1957
TOWNSHIPS		
Essa.....	Feb. 20, 1957	Pilkington.....Mar. 19, 1957
Fullarton.....	Sept. 10, 1957	Plantagenet South.....Dec. 4, 1957
Guelph.....	Dec. 4, 1957	Trafalgar.....May 15, 1957
Kinloss.....	July 29, 1957	IMPROVEMENT DISTRICTS
Luther West.....	Feb. 7, 1957	Cameron.....July 29, 1957
McNab.....	Mar. 19, 1957	Nakina.....Sept. 26, 1957
Moore.....	Dec. 4, 1957	Onaping.....Aug. 6, 1957
Poppeau.....	July 9, 1957	Sioux Narrows.....Sept. 12, 1957
Peel.....	Mar. 19, 1957	Val Albert.....Mar. 25, 1957
		Val Albert.....Sept. 10, 1957
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Abitibi Power & Paper Company, Limited.....	May 2, 1957	
American Nepheline Limited.....	May 6, 1957	
Best Yeast, Limited.....	Jan. 25, 1957	
Caldwell Linen Mills Limited.....	Feb. 7, 1957	
Caldwell Linen Mills Limited.....	May 27, 1957	
Calumet & Hecla of Canada Limited.....	Oct. 30, 1957	
Canadian International Paper Company.....	Oct. 3, 1957	
Canadian Niagara Power Company, Limited.....	Oct. 30, 1957	
Cobalt Consolidated Mining Corporation Limited.....	Mar. 18, 1957	
Cobalt Consolidated Mining Corporation Limited and United Cobalt Mines Limited.....	Jan. 23, 1957	
Consolidated Sand and Gravel, Limited.....	June 11, 1957	
Consolidated Sudbury Basin Mines Limited.....	May 24, 1957	
Consolidated Sudbury Basin Mines Limited.....	Nov. 19, 1957	
Delnite Mines Limited.....	Aug. 6, 1957	
Dow Chemical of Canada, Limited.....	Sept. 17, 1957	
Du Pont Company of Canada (1956) Limited.....	Apr. 25, 1957	
Falconbridge Nickel Mines Limited.....	Jan. 13, 1958	
Goodrich, B. F., Canada Limited.....	Mar. 5, 1957	
Great Lakes Power Corporation Limited.....	July 16, 1957	
Greyhawk Uranium Mines Limited.....	Feb. 7, 1957	
Gypsum, Lime and Alabastine, Canada, Limited.....	Oct. 22, 1957	
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence.....	Feb. 26, 1957	
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence.....	Dec. 12, 1957	
Her Majesty the Queen in right of the Province of Ontario, represented by the Minister of Public Works for the Province of Ontario.....	Feb. 12, 1957	
Howard Smith Paper Mills, Limited.....	Aug. 21, 1957	
Interprovincial Pipe Line Company.....	Sept. 27, 1957	
KVP Company Limited.....	Feb. 26, 1957	
Kerr-Addison Gold Mines Limited.....	Nov. 25, 1957	
Lake Ontario Portland Cement Company Limited.....	Jan. 31, 1957	
Leitch Gold Mines Limited.....	Mar. 13, 1957	
Light Alloys Limited.....	Mar. 27, 1957	
Lionite Abrasives Limited.....	Sept. 17, 1957	
Lowphos Ore, Limited.....	Nov. 11, 1957	
MacLeod-Cockshutt Gold Mines Limited.....	Aug. 28, 1957	
Maple Leaf Milling Company Limited.....	June 7, 1957	
National Harbours Board.....	Nov. 14, 1957	
Neelon Steel Limited.....	June 26, 1957	
Nickel Offsets Limited.....	Oct. 31, 1957	
North American Cyanamid Limited.....	Aug. 22, 1957	
Northspan Uranium Mines Limited.....	Mar. 5, 1957	
Northspan Uranium Mines Limited.....	Mar. 19, 1957	
Norton Company.....	June 11, 1957	
Orenda Engines Limited.....	Nov. 19, 1957	
Orenda Engines Limited.....	Dec. 4, 1957	
Pembroke Electric Light Company Limited.....	Feb. 19, 1957	
Pembroke Electric Light Company Limited.....	July 22, 1957	
Siscoe Vermiculite Mines Limited.....	Mar. 5, 1957	
Trans-Northern Pipe Line Company.....	Nov. 25, 1957	
Union Carbide Canada Limited.....	Feb. 14, 1957	
Union Carbide Canada Limited.....	Nov. 11, 1957	
Welland Tubes Limited.....	Mar. 25, 1957	

LIST OF ABBREVIATIONS

cfs	—cubic feet per second	min	—minimum
G.S.	—Generating Station		—minute (20-min)
hp	—horsepower	mm.	—millimetre
Imp. Dist.	—Improvement District	N.O.P.	—Northern Ontario Properties
Jct.	—Junction	NPD	—Nuclear Power Demonstration
kv	—kilovolt(s)	psi	—pounds per square inch
kva	—kilovolt-ampere(s)	R.O.A.	—Rural Operating Area
kvar	—kilovar(s)	rpm	—revolutions per minute
kw	—kilowatt(s)	S.O.S.	—Southern Ontario System
kwh	—kilowatt-hour(s)	S.S.	—Switching Station
mcm	—thousand circular mils	T.S.	—Transformer Station
M.E.U.	—Municipal Electrical Utilities	Twp.	—Township
		V.A.	—Voted Area

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C = Statement "C"—Rates and Typical Bills for Electrical Service in Municipal Electrical Utilities and Local Systems
D = Statement "D"—Customers, Revenue, and Consumption in Municipal Electrical Utilities and Local Systems
L = Statement of Loads of Municipal Electrical Utilities and Local Systems
P = Statement of Cost of Power
S = Statement of Sinking Fund Equity

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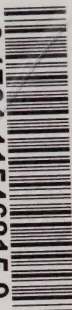
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